НАУЧНА АВТОБИОГРАФИЯ

на

проф. д-р Сорен Бохос Хайрабедян, дбн

1. ОБЛАСТ НА НАУЧНА КВАЛИФИКАЦИЯ

- **Имунология. Репродуктивна имунология. Инфертилитет при мъжа: Вродена имунна сигнализация в клетките на Сертоли, Рецептори на вродения имунен отговор (NOD, TLR), Инфламазома NLRP3**
- **Роля на неканонични вродени имунни сигнални пътища и инфламазомни мрежи за човешката патология – репродукция, онкогенеза**
- **Характеристика и приложение на ембрион производни имуно-модулиращи пептиди (PreImplantationFator™) в терапията на авто-имунни и невродегенеративни патологии**
- **Репродуктивна биология. Автофагия. Клетъчна сигнализация на кръвно-тестисната бариера**
- **Приложение на комплексен системно-биологичен анализ в репродуктивната биология и имнология с помощта на молекулно *in silico* моделиране и бифизично валидиране на рецептор-лигандни взаимодействия, епигеномен и епитранскриптомен анализ, чрез 3-то новогенерационно поколение нанопорово секвениране, обработка на изображения на ниво единични рецепторни комплекси в единични клетки със статистически методи за машинно обучение, химическа информатика и биоинформатика за анализ на сигнални пътища, и пр.**
- **Проинфламаторна сигнализация и епигенетична дисрегулация в онкогенезата – некодиращи микро-РНКи**

2. ИМЕ И СЛУЖЕБЕН АДРЕС

проф. д-р Сорен Бохос Хайрабедян, дбн

Институт по биология и имунология на размножаването „акад. Кирил Братанов“, Българска Академия на Науките (ИБИР-БАН)

гр. София 1113, бул. „Цариградско шосе“ №73

3. Дата и място на раждане

26/10/1972

гр. Плевен, Р. България

4. Гражданство

българско

5. Семейно положение

Женен, съпруга – проф. Красимира Олегова Тодорова-Хайрабедян, дбн

6. Владеене на езици

Английски език – писмено и говоримо на напреднало ниво, Руски език – писмено и говоримо на напреднало ниво, Френски език – начално ниво

7. Образование, научни степени и звания

7.1. **Магистърска програма по Медицина**, Медицински Университет – Плевен (Висш Медицински Институт – Плевен), **1996**

7.2. **Магистърска степен по Информатика**: **Информационни системи** от Великотърновски университет "Св. св. Кирил и Методий", **2007**, с дипломна работа на тема: “Използване на тримерно цветно пространство за селекция на пиксели в имунохистохимията”, научен ръководител: доц. Христо Тужаров

7.3. **Образователна и научна степен „Доктор“** по научна специалност „Имунология“, Институт по биология и имунология на размножаването „акад. Кирил Братанов“, Българска Академия на Науките, София (ИБИР-БАН), (редовна форма на обучение, „Секция Молекулярна имунология“), Диплома № 30794/21.08.**2006**, с докторска дисертация на тема: „Ангиогенни фактори и туморни маркери при ендометриоза”, научен ръководител: проф. д-р Иван Кехайов

7.4. **Научна степен „Доктор на биологичните науки“** по научна специалност „Имунология“, Институт по биология и имунология на размножаването „акад. Кирил Братанов“, Българска Академия на Науките, София (ИБИР-БАН) към Лаборатория по Репродуктивни ОМИКс Технологии, Диплома № 000726/30.05.**2016**, НАЦИД), с докторска дисертация на тема: „Роля на инфламазомната вродена имунна сигнализация за нарушаване на

кръвно-тестисната бариера, като адаптивен механизъм, водещ до развитие на инфертилитет".

8. ЗАЕМАНИ ДЛЪЖНОСТИ ДО МОМЕНТА

8.1. **Директор,** Институт по биология и имунология на размножаването „акад. Кирил Братанов", Българска Академия на Науките, София (ИБИР-БАН), **2 год. и 7 мес. (12.2018 – до момента)**

8.2. **Професор по имунология**, Лаборатория по Репродуктивни ОМИКс технологии към Институт по биология и имунология на размножаването „акад. Кирил Братанов", Българска Академия на Науките, София (ИБИР-БАН), **1 год. 3 мес. (06.2017 – до момента)**

8.3. **Научен секретар**, Институт по биология и имунология на размножаването „акад. Кирил Братанов", Българска Академия на Науките, София (ИБИР-БАН), **мандат 4 години (12.2014 – 12.2018)**

8.4. **Председател на Общото събрание,** Институт по биология и имунология на размножаването „акад. Кирил Братанов", Българска Академия на Науките, София (ИБИР-БАН), **1 год. (01.2014 – 12.2014)**

8.5. **Доцент по имунология**, Лаборатория по Репродуктивни ОМИКс технологии към Институт по биология и имунология на размножаването „акад. Кирил Братанов", Българска Академия на Науките, София (ИБИР-БАН), **4 год. 5 мес. (01.2013 – 06.2017)**

8.6. **Старши изследовател по Проект ReProForce 7РП на ЕС**, Институт по биология и имунология на размножаването „акад. Кирил Братанов", Българска Академия на Науките, София (ИБИР-БАН), **3 год. 4 мес. (09.2010 – 01.2013)**

8.6.1. **Гост-изследовател в Университета на Есекс**, Катедра по биология, научен обмен по проект ReProForce, **1 мес. (03.2012)**

8.7. **Координатор на Проект „ИБИС" за България**, Консорциум „НБИС": Внедряване на Интегрирана Болнична Информационна Система в УНСБАЛ „Света Екатерина" ЕАД, **12 мес. (09.2009 – 08.2010)**

8.8. **Постдокторант**, Център по кожна биология към Университета Харвард (Harvard Cutaneous Biology Research Center at Massachusetts General Hospital), Бостън, САЩ, **11 мес. (12.2007 – 11.2008)**

8.9. **Продуктов мениджър**, компания „Intercomponentware AG" – клон България, **11 мес. (09.2007 – 11.2007)**

8.10. **Главен асистент (н.с. I ст.)**, Секция Молекулярна имунология, Институт по биология и имунология на размножаването „акад. Кирил Братанов“, Българска Академия на Науките, София (ИБИР-БАН), **11 мес. (2006 – 2007)**

8.11. **Асистент (н.с. III ст.)**, Секция Молекулярна имунология, Институт по биология и имунология на размножаването „акад. Кирил Братанов“, Българска Академия на Науките, София (ИБИР-БАН), **11 мес. (2006 – 2007)**

8.12. **Хоноруван Асистент по информатика**, Медицински колеж към Медицински Университет – Плевен, **1 год. (2000-2001, 1 семестър)**

8.13. **Сътрудник**, Отдел Международни отношения, Медицински Университет – Плевен, **1 год. (1999-2000)**

8.14. **Асистент по Физиология**, Катедра Физиология на човека и животните, Медицински Университет – Плевен, **1 год. (1998-1999, 1 семестър)**

9. МЕСТОРАБОТА И ДЛЪЖНОСТ

Институт по биология и имунология на размножаването „акад. Кирил Братанов“, Българска Академия на Науките, София (ИБИР-БАН)

Директор, Професор по имунология

10. НАУЧНА И ПРЕПОДАВАТЕЛСКА ДЕЙНОСТ

10.1. - ИЗСЛЕДОВАТЕЛСКИ ПРОЕКТИ, КОИТО КАНДИДАТЪТ Е РЪКОВОДИЛ И В КОИТО Е УЧАСТВАЛ;

2018-2023, **Координатор** за ИБИР-БАН в консорциумен проект със СУ „Св. Климент Охридски“ и ИБФБМИ – БАН за изграждане на Научна инфраструктура за „*Клетъчни технологии в биомедицината*“ (**НИ КТБ**) и интеграция с Европейската изследователска инфраструктура за транслационна медицина EATRIS, по програма за Национална пътна карта за научна инфраструктура, финансирана от МОН – 4 споразумения с обща стойност на трансферите за ИБИР-БАН - **2 926 000лв.**

2020-2021, **Координатор** за ИБИР-БАН в консорциумен проект с ИБФБМИ – БАН за изграждане на Научна инфраструктура за „*Национален център по биомедицинска фотоника*“ (**НЦ БМФ**) по програма за Национална пътна карта за научна инфраструктура, финансирана от МОН – 1-во споразумение на стойност за ИБИР-БАН - **93 800 лв.**

***2019-2021,* Член на Изпълнителния съвет** на ННП „Репробиотех“ – бюджет за ИБИР-БАН: **341 763.03 лв.**

***2021-2023,* Член на Изпълнителния съвет** на ННП „Инте живо“ - бюджет за ИБИР-БАН: **95 451 лв.**

***2021-2022,* Ръководител проект** “Изследване на прекомерната реакция на тъканите, опосредствана от инфламазомите, водеща до клинично тежка SARS-CoV-2 инфекция. Транслационен подход“, финансирана по извънредна програма “*Финансиране на фундаментални научни изследвания по обществени предизвикателства, свързани с пандемията от COVID-19 – 2020 г.*” **– 200 000 лв.**

2017-2019, **Ръководител** на Проект ДКОСТ 01/23, 2016: Национално съфинансиране на участие по Акция TRANSAUTOPHAGY (COST Action CA15138) с експериментална програма

2017-2019, **Член на Управителния комитет на COST Акция** TRANSAUTOPHAGY (COST Action CA15138)

2016-2017, **Научен ръководител – консултант** на проект финансиран по „Програма за подпомагане на млади учени и докторанти в БАН – 2017“: „Изследване на неканоничната инфламазомна вродена имунна сигнализация в епителни клетки, имащи значение за развитие на автоимунна патология, в това число и имунологично обусловени мъжки инфертилитет, с помощта на транскриптомика /RNA-seq/и епигеномика /5 meC-seq/, чрез директно молекулно секвениране от 3-то поколение“, Млад учен ръководител на проекта: докторант Елина Аврамска

2017-2018, **Ръководител (PI)** на проект: “Design of function potentiation PreImplantationFactor^{TM} derived peptides – *in silico* rational design of new peptide variants and their experimental validation using ligand-receptor studies and functional potassium flux studies and gene expression initiation (short: PIF-positive mutants)”, финансиран (консумативи) от биотехнологична компания BioIncept LLC, NJ, US

2016-2017, **Научен ръководител – консултант** на проект финансиран по „Програма за подпомагане на млади учени и докторанти в БАН – 2016“: „Епигенетичен анализ и изследване експресията на гени в процеса на диференциация на човешки мезенхимни стволови клетки“, Млад учен ръководител на проекта: гл. ас. Елена Христова

2014-2016, **Ръководител (PI)** на проект: “PreImplantation Factor^{TM} related peptides - *in silico* investigation of structural and functional properties and eventual binding partners (short: In silico PIF-related interactome)”, финансиран (консумативи) от биотехнологична компания BioIncept LLC, NJ, US

2014-2016, **Ръководител (PI)** на проект: “ DevelopmentalPeptides^{TM} - *in silico* investigation and validation of structural and functional properties and eventual binding

partners (short: *In silico* DP interactome)", финансиран (консумативи) от биотехнологична компания BioIncept LLC, NJ, US

2013-2015, **Член** на българската група, участваща в COST Акция FA1201, EPICONCEPT ("Epigenetics and Periconception Environment"), с цел изследване на епигенетични промени свързани с репродукцията

2013-2014, **Ръководител (PI)** на проект: " PreImplantation Factor™ transgene expression cassette design and validation. smallORF gene seek for PIF native genome-wide expression", финансиран (консумативи) от биотехнологична компания BioIncept LLC, NJ, US

2012-2014, **Ръководител (PI)** на проект: " PreImplantation FactorTM binding partners", финансиран (консумативи) от биотехнологична компания BioIncept LLC,bb NJ, US. Подписан MTA договор.

2010-2013, **Участник** в Проект „ReProForce" по инициатива REGPOT, 7РП на ЕК, с бенефициент ИБИР-БАН: участие като реинтегриран учен с международен опит - стартирано ново направление на изследователска работа: „Механизми на вроден имунитет при клетки на Сертоли и сигналинг на NOD рецептори и NALP3 инфламазома", публикация в Nature Scientific Reports, 2016

2007, **Участник** в проект "Изследвания на сентинелните лимфни възли в простатен карцином, използвайки имунохистохимични маркери – СК MNF 116 и PSAP за микрометастазна детекция", финансиран от Медицински Университет в Плевен

2005-2006, **Участник** в проект "Сравнителен анализ на имунохистохимична експресия на PSMA, P504S, p63, COX2, iNOS във пролиферативна инфламаторна атрофия, простатна интраепителна неоплазия и простатен карцином: диференциално-диагностична и прогностична значимост", финансиран от Медицински Университет в Плевен

2006-2007, **Участник** в Проект ТК-614/2006, ФНИ „Изследвания на възможностите за контрол на пролиферацията на туморни клетки с прилагане на малки интерфериращи РНК (siRNA)" , р-л проф. И. Кехайов

2002-2005, **Участник** в Проект К-1201/2002, ФНИ „Ангиогенни фактори и туморни маркери при ендометриоза", р-л проф. И. Кехайов

10.2. - ПРЕПОДАВАНИ КУРСОВЕ И УПРАЖНЕНИЯ;

2019, Поканен пленарен гост-лектор на Лятно училище по репродуктивна имунология, организирано от Европейската асоциация по репродуктивна имунология в Атина, Гърция - Soren Hayrabedyan. *Immunological contribution of the*

father to successful implantation. ESRI Summer School Athens 2019. 04.10.2019 - 06.10.2019, Athens, Greece

2017, Гост-лектор, в училище по Персонализирана медициа, организирано от Българската асоциация по персонализирана медицина и МУ-Пловдив, на тема „Advantages of native nanopore sequencing (Oxford Nanopore) for personalized diagnostics. 40 years sequencing - a new era in contemporary diagnostics and personalised medicine.“ Personalized Medicine School organized by the Bulgarian Association for Personalized Medicine (BAPEMED) and Medical University of Plovdiv, Plovdiv, Bulgaria, 3-7 Nov, 2017

2014-2018, **Ментор** по проект “Студентски практики” по ОП “Развитие на човешките ресурси” и Европейски Социален Фонд, 50 студента – бакалавърска или магистърска програма, от Факултет по биология на Софийски Университет „Св. Климент Охридски“, Медицински университет – София, Нов български университет, Химикотехнологичен и металургичен университет - София, с преподавани теми: „Сигналинг на вродения имунен отговор на семейство рецептори NOD“, „Стажант-биолог (интерн) на тема "Биоинформатика за биолози (въведение)", “Стажантска програма - изследване на вродена имунна сигнализация в клетъчни модели”, “Стажантска програма - изследване на вродена имунна сигнализация с участието на специфични рецептори в туморни линии”, “Молекулярно-биологични методи за изследване на имунологични механизми в клетки на Сертоли” с общо 1200 учебни часа

2013, **Лектор** на курс на тема „Флоуцитометричен анализ на гамети“ по проект “Фундаментално и приложно обучение на докторанти, постдокторанти, специализанти и млади учени в интердисциплинарни биологични направления и иновационни биотехнологии”, BG051PO001-3.3.06-0059, финансиран от Оперативна програма „Развитие на човешките ресурси” 2007-2013, съфинансирана от Европейския съюз чрез “Европейския социален фонд“

2012, **Лектор** на тема „Използване на флоуцитометрия за оценка на сперма на селско-стопански животни“, част от проведени обучения по Проект „ReProForce“, 7РП на ЕК, ИБИР-БАН

2012, **Лектор** на тема „Използване на PCR за „сексиране“ на сперма на селско-стопански животни“, част от проведени обучения по Проект „ReProForce“, 7РП на ЕК, ИБИР-БАН

2000-2001, **Хоноруван асистент** - Курс по медицинска информатика за медицински сестри, рехабилитатори и клинични лаборанти, Медицински Колеж на Медицински Университет – Плевен

1998-1999, **Асистент** - Упражнения по Физиология – преподавани на английски за чуждестранни студенти, Катедра Физиология на Човека и Животните, Медицински Университет – Плевен

1992-1994, **Демонстратор** по Физиология на животните и човека, Медицински Университет – Плевен

10.3. - ДИПЛОМАНТИ, ДОКТОРАНТИ;

2018, Дипломен ръководител на студент Илка Цветкова от катедра „Генно и клетъчно инжинерство“, Ф-тет по Биология, Софийски Университет „Св. Климент Охридски“, разработвана тема: „Разработка на система за детекция на клетъчна смърт по сигналния път на каспаза-1 в модел на клетки на Сертоли“;

2011, **Дипломен ръководител** на студент Елена Божанина от катедра „Биотехнология“, Химикотехнологичен и металургичен университет – София, защитена тема: „Изследване на потенциални биомаркери с прогнозна стойност по отношение виталността на овоцити“;

2019 – 2022, **Ръководител на докторантура**, редовна форма на обучение на Илка Цветкова, с тема „Роля на кръстосаната сигнализация на инфламазомите NLRP3 и NLRC4 в клетките на Сертоли за клетъчната съдба и значението и в патологията на мъжкото безплодие “

2018 – 2022, **Ръководител на докторантура**, задочна форма на обучение, Габриел Елмаджиян, с тема “Роля на промени в нови субпопулации NK клетки при жени, с възникнали проблеми в репродуктивния процес”

2017 – 2020, **Ръководител на докторантура**, редовна форма на обучение на Лейля Аскова, с тема „Роля на инфламазомната сигнализация за репродуктивния потенциал“ – *отчислена с право на защита, подготвя дисертационен труд*

2014 – 2017, **Ръководител на докторантура**, редовна форма на обучение на д-р Елина Димитрова Аврамска, с тема „Влияние на метилационния статус върху гени, свързани с репродуктивния потенциал и рецепторите на вроден имунитет“ – *отчислена с право на защита, подготвя дисертационен труд*

2014 – 2017, **Консултант на успешно защитена докторантура**, редовна форма на обучение на Нели Манолова, с тема „Биохимична характеристика на ендометриозна перитонеална течност“

2014, **Поканен външен екзаминатор** по процедури за защита на дисертация за присъждане на научна степен „*Philosophy Doctor (PhD)*“ от Университета в Есекс, Великобритания – тема на дисертацията: „Study of the interaction of the cytoskeleton

with histocompatibility molecules expressed on trophoblast cells: relevance for feto-maternal tolerance and human pregnancy“, докторант Палави Джайн

2016, **Поканен външен екзаминатор** по процедури за защита на дисертация за присъждане на научна степен „*Philosophy Doctor (PhD)*“ от Университета в Есекс, Великобритания – тема на дисертацията:, „The role of immunological receptors CD74 and CD44 in association with the macrophage Migration Inhibitory Factor (MIF) on human breast cancer derived cells“, докторант Уалид Ал‘Садх

11. ПУБЛИКАЦИОННА ДЕЙНОСТ, ЦИТАТИ

Научни трудове:

11.1. ***Автореферати*** – 2

11.2. ***Монография*** - 1

11.3. ***Глави от книги*** – 3 в международни издания на английски език

11.4. ***Оригинални научни статии и ревюта***, публикувани в реферирани и рецензирани издания – **62**, с общ импакт фактор над **99**. От тях *водещ автор* в 44 статии, като *1-ви автор* – 17 статии, *2-ри* автор – 11 статии, *последен автор* – 9 статии, *кореспондиращ автор* – 8 статии.

От всички статии, 7 са с IF над 5, като в 2 от тях - първи автор и в 1 кореспондиращ автор.

За периода 2016-2020 са публикувани 9 статии (Autophagy, 2 *Nature Scientifi Reports, Oncotarget, Molecular Carcinogenesis, Frontiers in Immunology, Cellular Physiology and Biochemistry*) в категория Q1 по класацията на ISI Thomson Rheuters, понастоящем Clarivate Analytics, като в 4 статии – водещ 1-ви или последен-кореспондиращ автор.

От всички статии, без предходните, 11 са със IF над 3.

През 2021 е включен в пресижното ***4-то издание на Наръчник по методи за изследване на автофагия*** за публикацията в сп. Scientific Reports (Nature Publishing Group), 2016 относно индукция на инфламазомите и взаимодействието им с основни индуктори на автофагията. Наръчика е публикуван ***в сп. Autophagy, IF 9***

11.5. ***Резюмета от научни форуми*** – **49**, като в 9 - пленарен лектор

11.6. ***Общ брой цитирания – 337/930*** *(Scopus),* ***h-index – 11/13*** *(Scopus)****,*** Scopus Author ID 6508326397

Пълен списък на научните трудове и цитиранията е приложен отделно!

12. НАУЧНО-ПРИЛОЖНА ДЕЙНОСТ

2020, ***Издаден в Национално патентно бюро*** *– номер в EPA: BG111862 (B) 2016-05-31, "*МЕТОД И КИТ ЗА ОТКРИВАНЕ НА ОНКОФУЗИОНЕН ПРОТЕИН*"*, Заявител: ИБИР-БАН, Красимира Тодорова, Сорен Хайрабедян, Изобретатели: Красимира Тодорова, Сорен Хайрабедян

(*Патентът описва метод и прототип на кит за детекция на протеинови продукти на фузионни генетични феномени, какъвто е диагностично важният TMPRSS2:ERG. Това е първата реализация в световен мащаб на метод за детекция на протеиновият продукт на фузията, а не на феномена на генна реаранжировка. Рационалната основа за това е биологично важната роля на транскрипционния фактор ERG, което налага детекция само на физиологично правилно навити протеинови продукти. Методът използва комбинация от антитяло-базирана имунодетекция и амплификация на сигнала с помощта на хиибирдизационни и полимеразно-верижна реакция методи.*)

2015, 2016, ***Издаден международен патент*** (Заявен в Американския патентен офис, издаден за САЩ, Европа и Евразия) - Pub. No. WO/2015/061483 (30.04.2015), International Application No.: PCT/US2014/061814: "PIF-transfected cells and methods of use." Inventors: Eytan R. Barnea, Soren Bohos Hayrabedyan. Applicant: BioIncept, Llc. (NJ, US)

(*Патентът описва метод за директна експресия на къси пептиди, предизвикателство пред биологичния праг на рибозомите, като е показан in silico дизайнът на структурни варианти на фузионен пептид отговарящ на PreImplantationFactor™, неговото „безшевно" клониране във вектор за еукариотна експресия, валидиране на експресията с помощта на проточен флоуцитометричен анализ и конфокална микроскопия на HEK293 трансфектирани клетки, експресиращи пептида. Показани са и амино-киселинните остатъци в in silico модели на докинг на пептида към специфични рецептори с които де дефинира техния интерфейс на взаимодействие. Патентът дефинира рамка за бърза разработка и внедряване на терапевтично-приложими пептиди за експресия в клетъчно-базирани терапевтични решения.*)

13. УЧАСТИЕ В НАУЧНИ СЪВЕТИ И НАУЧНИ ЕКСПЕРТНИ КОМИСИИ

2018 – 2022, **Член на Научен съвет** на Институт по биология и имунология на размножаването „акад. Кирил Братанов", Българска Академия на Науките, София (ИБИР-БАН)

2014 – 2018, **Член на Научен съвет** на Институт по биология и имунология на размножаването „акад. Кирил Братанов", Българска Академия на Науките, София (ИБИР-БАН)

2018, **Председател на Комисия** по оценка на научно-изследователската дейност на учените от ИБИР-БАН за периода 2016-2017, въз основа на

гласувана от НС „Методика за индивидуално изчисляване на научно-изследователския принос на учения“, при формиране на Компонента 2, отразяваща метриките заложени в приетата от ОС на БАН „Методика за оценка на научно-изследователската дейност. Изготвил „Методика за индивидуално изчисляване на научно-изследователския принос на учения“ за ИБИР

2016, Член на Комисия по акредитация на научна специалност „Развъждане на селскостопаски животни, биология и биотехника на размножаването“, ш. 04.02.01

2015, Председател на Атестационна комисия – ИБИР–БАН

2015 - 2018, Член на Научни журита по процедури, съгласно ЗРАСРБ за заемане на академични длъжности и присъждане на научни звания – 9 (акад. длъжност „Доцент“ – 4, научна степен „Доктор на науките“ – 1, ОНС „Доктор“ – 4)

2013 – 2018, Член на 30 **комисии** за оценка на качеството и напредъка на докторанти, или за провеждане на приемен изпит

14. ЧЛЕНСТВО В МЕЖДУНАРОДНИ И НАЦИОНАЛНИ ПРОФЕСИОНАЛНИ НАУЧНИ АСОЦИАЦИИ, ФЕДЕРАЦИИ, ДРУЖЕСТВА

14.1. **Председател на „International Coordination Committee for Immunology of Reproduction (ICCIR)**“ / „Международен координационен комитет по имунология на репродукцията (МККИР)“, член от 2014, избран за нов Председател през 2015, в сила от 17.06.2018 (съосновано от акад. Кирил Братанов и проф. Робърт Едуардс)

14.2. **International Society of Reproductive Immunology (ISIR)** / Международно общество по репродуктивна имунология, член от 2010 (съосновано от акад. Кирил Братанов)

14.3. **European Society of Reproductive Immunology (ESRI)** / Европейско общество по репродуктивна имунология, член от 2010

14.4. **American Society of Reproductive Immunology (ASRI)** / Американско общество по репродуктивна имунология от 2016

14.5. **Oxford Nanopore Community**, член от 2017

14.6. **Съюз на учените в България (СУБ)**, член от 2006

14.7. **Българско Дружество по Репродуктивна Имунология**, член от 2004

14.8. **Български лекарски съюз (БЛС)**, член от 1996

14.9. **Българско Общество по имунология**, член от 2018

15. АДМИНИСТРАТИВНО – УПРАВЛЕНСКИ ОПИТ

15.1. **Сътрудник**, Отдел Международни отношения, Медицински Университет – Плевен, **1 год. (1999-2000):** Успешно подготвени Проекти по 5 РП на ЕС – мобилност и програми Леонардо и Еразъм. Разработка на учебен софтуер по програма Леонардо. Подготовка на документация за студенти подлежащи на международен обмен по програма Еразъм;

15.2. **Продуктов мениджър**, компания „Intercomponentware AG“ – клон България, **11 мес. (09.2007 – 11.2007):** обучение в основи на продуктов мениджмънт, технология за мениджмънт на разработка на софтуерни проекти „SCRUM“;

15.3. **Координатор на Проект „ИБИС” за България**, Консорциум „НБИС“: Внедряване на Интегрирана Болнична Информационна Система в УНСБАЛ „Света Екатерина” ЕАД, **12 мес. (09.2009 – 08.2010):** Консорциум „НБИС“, е създаден от отдела за „бизнес-развитие“ на „Intercomponentware AG“ и гръцката компания „Computer Team“. Изпълнявани функции - координация и мениджмънт на ИТ проект, консултантска дейност, координиране изпълнението на проектен план, бизнес анализ и спецификация, комуникация на потребителски сценарии, дефиниране и координиране изготвянето на прототипна система;

15.4. **Председател на Общото събрание,** Институт по биология и имунология на размножаването „акад. Кирил Братанов“, Българска Академия на Науките, София (ИБИР-БАН), **1 год. (01.2014 – 12.2014):** организация на Общо събрание на ИБИР-БАН, провеждане на избор за членове на Научен съвет, с тайно гласуване и отчитане в реално време; изготвяне на Протокол за избор;

15.5. **Научен секретар**, Институт по биология и имунология на размножаването „акад. Кирил Братанов“, Българска Академия на Науките, София (ИБИР-БАН), **4 год. мандат (12.2014 – 12.2018):** Ръководна длъжност, включваща отговорност за научната стратегия на института, процедурите за поддържане на качество на обучение и научна продукция, включително изготвяне на специфични критерии за процедура по атестация на служителите и провеждането и; провеждане и контрол на докторантските програми по три акредитирани научни специалности; подготовка и провеждане от страна на института на процедурите по акредитиране на докторантските програми и на самата научна организация – в сътрудничество с Центъра за обучение на БАН; изготвяне на годишния отчет на ИБИР-БАН, администриране от страна

на ИБИР на информационната система Sonix за научните кадри на института; Контрол на провежданите процедури по развитие на академичния състав, съгласно ЗРАСРБ; Изготвяне на годишни отчети на ИБИР-БАН; Изготвяне на Годишен отчет за МОН съгласно изискванията за мониторинг на научните организации. Годишният Научен отчет бе развит от анализ на научно-приложната дейност по години, до нова аналитичност на ниво секция и на ниво отделен учен, като бе добавен и анализ на дейността, съгласно критериите на БАН за формиране на Компонента 2 на бюджета, и критериите на МОН за мониторинг на научни организации, с оглед изготвяне на адекватни стратегии за развитие на института, и индивидуално кариерно развитие на отделните изследователи;

15.6. **и.д. Зам. директор,** Институт по биология и имунология на размножаването „акад. Кирил Братанов“, Българска Академия на Науките, София (ИБИР-БАН), **3 мес. мандат (05.2017 – 08.2017)**

15.7.**Директор,** Институт по биология и имунология на размножаването „акад. Кирил Братанов“, Българска Академия на Науките, София (ИБИР-БАН), **4 год. мандат (12.2018 – 12.2022):** Ръководна длъжност, включваща управление на политики за развитие на научната мисия, цел и задачи на института, визията и имплементацията на методологията за изследвания, на която се основат програмите за развитие на научната инфраструктура и научни изследвания. Създава допълнителни условия и адекватна интерпретация и имплементация на нормативната уредба, за адекватно развитие на конкурентно-способен академичен състав. Ръководи административно-логистичните политики за изграждане на транспарентна управленска среда.

16. ЕКСПЕРТНА ДЕЙНОСТ

Поканен рецензент на статии в реферирани и индексирани списания (с импакт фактор): Reproduction, Gene, Wiley Molecular Reproduction and Development, Wiley American Journal of Reproductive Immunology, PLOS ONE, Scientific Reports, Frontiers, BMC Cancer Cell International, LIFE

Експертни становища и рецензии от името на БАН към EASAC (European Academies Science Advisory Council) - FEAM (Federation of European Academies of Medicine), орган на Националните академии за наука на страните членки не ЕС и федерация на медицинските академии – становище относно Китайската традиционна медицина (2019) и рецензия на отчета на EASAC по отношение на Регенеративната медицина (2020)

Участие в експертни работни групи на МОСВ за ендокринни дизруптори и мониторинг на вещества, съгласно REACH на ECHA

Рецензент на научни проекти за фундаментални изследвания и научни проекти за млади учени към ФНИ при МОН

17. ПОЧЕТНИ ОТЛИЧИЯ, НАГРАДИ И НОМИНАЦИИ

2018 - Почетна Грамота за номинация в категория "Утвърден учен в областта на здравето и медицинските науки" от журито на Годишните награди за наука "ПИТАГОР" 2018

2018 - Избор от отговорния редактор на сп. „Hormones and Cancer“ на издателство „Whiley“ на статията „*Micro-RNA-204 participates in TMPRSS2:ERG regulation and androgen receptor reprogramming in prostate cancer*“, публикувана през 2017 в, в която е последен кореспондиращ автор заедно с още 4 статии за най-повлияващи развитието на областта

2012 - 100 Млади български учени – биографична енциклопедия

2007 - Грамота, Конкурс за научни постижения на докторанти на възраст до 35 години, защитили през 2006 г. (Информационен Бюлетин на БАН, бр. 11 (117), год. XII, София, 2007 г.)

2005 - Top 25 Hottest Articles, Oct-Dec 2005, Journal of Reproductive Immunology, ScienceDirect: http://top25.sciencedirect.com/subject/immunology-and-microbiology/14/journal/journal-of-reproductive-immunology/01650378/archive/6/

Списък с научни трудове на проф. дбн Сорен Б. Хайрабедян

НАУЧНИ ТРУДОВЕ:

АВТОРЕФЕРАТИ НА ДИСЕРТАЦИОННИ ТРУДОВЕ:

1. **Сорен Хайрабедян.** Дисертационен труд на тема „Ангиогенни фактори и туморни маркери при ендометриоза", за присъждане на образователна и научна степен "Доктор" – 2006 г.
2. **Сорен Хайрабедян.** Дисертационен труд на тема „Роля на инфламазомната вродена имунна сигнализация за нарушаване на кръвно-тестисната бариера, като адаптивен механизъм, водещ до развитие на инфертилитет", за присъждане на научна степен "Доктор на науките" – 2016 г.

МОНОГРАФИЯ:

1. **Сорен Хайрабедян.** „Роля на инфламазомната вродена имунна сигнализация за нарушаване на кръвно-тестисната бариера, като адаптивен механизъм, водещ до развитие на инфертилитет", за присъждане на научна степен " – 2021 г.

ГЛАВИ ОТ КНИГИ:

1. Krassimira Todorova and **Soren Hayrabedyan**. Handbook of Prostate Cancer Cell Research – Growth, Signaling and Survival. NOVA BIOMEDICAL. The Stem Cell Paradigm and Its Application to prostate Cancer – An Old and Young Idea. Chapter 3, 127-177., **2009**. ISBN: 978-1-60741-954-9. (Published by Nova Science Publishers, Inc. New York)
2. Ivailo Vangelov, Julieta Dineva, Krassimira Todorova, **Soren Hayrabedyan** and Maria D. Ivanova (**2012**). Ovarian Biomarkers in Infertility, Trends in Immunolabelled and Related Techniques, Eltayb Abuelzein (Ed.), ISBN: 978-953-51-0570-1, InTech, (http://www.intechopen.com/books/trends-in-immunolabelled-and-related-techniques/ovarian-biomarkers-in-infertility)
3. **Soren Hayrabedyan**, Krassimira Todorova. Recent Trends in Cancer Biology: Spotlight on Signaling Cascades and microRNAs. Cell Signaling Pathways and microRNAs in Cancer Biology. Chapter 14. "When the Molecules Start Playing Chess, or How MicroRNAs Acquire Dualistic Activity During Cancer Progression." 1, Springer-Nature International Publishing AG, **2018**, ISBN:978-3-319-71552-0, DOI:10.1007/978-3-319-71553-7

ПАТЕНТИ:

• Дати	**2020**
• наименование	*Издаден от Национално патентно бюро "*МЕТОД И КИТ ЗА ОТКРИВАНЕ НА ОНКОФУЗИОНЕН ПРОТЕИН*"*, Заявител: ИБИР-БАН, Красимира Тодорова, **Сорен Хайрабедян**, Изобретатели: Красимира Тодорова, **Сорен Хайрабедян**
• Дати	**2015, 2016**
наименование	*Издаден международен патент (Заявен в Американския патентен офис, издаден за САЩ, Европа и Евразия) - Pub. No. WO/2015/061483 (30.04.2015), International Application No.: PCT/US2014/061814:* "PIF-transfected cells and methods of use." Inventors: Eytan R. Barnea, **Soren Bohos Hayrabedyan**. Applicant: BioIncept, Llc. (NJ, US)

ПУБЛИКАЦИИ В РЕФЕРИРАНИ И РЕЦЕНЗИРАНИ СПИСАНИЯ

СТАТИИ 60 (Общ IF – 99.187)

2022

1. Barnea, E, Di Simone, N, **Hayrabedyan, S.**, Todorova, K., Inversetti, A, Vento, J, Costa, S. SARS-CoV-2 vertical transmission supports innate fetal protection: A narrative review. Frontiers in Virology, 2, Frontiers Media SA, 2022, ISSN:2673-818X, DOI:10.3389/fviro.2022.972452 **Без JCR или SJR – индексиран в WoS или Scopus (Scopus)**

2. Sbirkov, Y., Dzharov, V., **Todorova, K.**, **Hayrabedyan, S.**, Sarafian, V.. Endothelial inflammation and dysfunction in COVID-19. Vasa - European Journal of Vascular Medicine, 51, 2, Hogrefe Verlag GmbH & Co. KG, 2022, ISSN:03011526, DOI:10.1024/0301-1526/a000991, 62-70. SJR (Scopus):0.472, **JCR-IF (Web of Science):2.336 Q3 (Scopus)**

2021

3. Daniel J. Klionsky, ..., **Soren B. Hayrabedyan**, ..., Krassimira O. Todorova, ... Guidelines for the Use and Interpretation of Assays for Monitoring Autophagy (4th edition). *Autophagy*, 17, 1, Taylor & Francis Online, 2021, ISSN:554-8627, DOI:10.1080/15548627.2020.1797280, 1-382. **JCR-IF:9.77 Q1 - оглавява ранглистата (Web of Science)**

2020

4. K. Todorova, **S. Hayrabedyan**. REPRODUCTIVE IMMUNOLOGY – A STILL IMPACTFUL SCIENTIFIC COMMUNITY AND FIELD OF RESEARCH. Embriologiâ, 10, 1, 2020, ISSN:1312-7349, 16-19 **Национално неакадемично издателство**

2019

5. **Soren Hayrabedyan**, Reut Shainer, Zhanna Yekhtin, Lola Weiss, Osnat Almogi-Hazan, Reuven Or, Charles L. Farnsworth, Scott Newsome, Krassimira Todorova, Michael J. Paidas, Chaya Brodie, Eytan R. Barnea, Martin Mueller. Synthetic PreImplantation Factor (sPIF) induces posttranslational protein modification and reverses paralysis in EAE mice. *Scientific Reports*, 9, 12876, Spinger Nature, 2019, ISSN:2045-2322 (online), DOI:https://doi.org/10.1038/s41598-019-48473-x, 1-12. **JCR-IF:4.525 Q1, не оглавява ранглистата (Web of Science)** Линк

6. Л.Сезер, К.Тодорова, **С.Хайрабедян**. Сигнална ос на вродената имунна сигнализация през рецептора TLR4 премества метаболитния профил на клетките на Сертоли, индуцирайки и редица инфламазоми. Българска Асоциация по Репродуктивна Човешка Ембриология, 9, 1, 2019 **Национално академично издателство**

2018

7. **Soren Hayrabedyan**, **Krassimira Todorova**, Marialuigia Spinelli, Eytan R. Barnea, Martin Mueller. The core sequence of PIF competes for insulin/amyloid β in insulin degrading enzyme: potential treatment for Alzheimer's disease. Oncotarget, 9, Impact Journals, LLC, 2018, DOI:https://doi.org/10.18632/oncotarget.26057, 33884-33895. SJR:1.942, **JCR-IF:4.67 (5.168) Q1, не оглавява ранглистата (Scopus)**

8. Albena Apostolova, Leyla Sezer, **Soren Hayrabedyan**, Krassimira Todorova. The Role of microRNA-15A in the Development of Prostate Cancer – Effects on Cell Proliferation and Pro-Inflammatory Signalling. Acta Medica Bulgarica, 45, 2, De Gruyter Poland, 2018, DOI:https://doi.org/10.2478/amb-2018-0014, 20-24. SJR (Scopus):0.191 **Q3 (Scopus)**

2017

9. Krassimira Todorova, Metodi V Metodiev, Gergana Metodieva, Milcho Mincheff, Nelson Fernandez, **Soren Hayrabedyan**. Micro-RNA-204 participates in TMPRSS2:ERG regulation and androgen receptor reprogramming in prostate cancer. *Hormones and Cancer, 8(1):28-48,* **2017** Jan 3. *doi: 10.1007/s12672-*

016-0279-9, **JCR-IF:3.167**

10. Goodale L, **Hayrabedran S**, Todorova K, Roussev R, Ramu S, Stamatkin C, et al. PreImplantation Factor (PIF) Protects Cultured Embryos Against Oxidative Stress: Relevance for Recurrent Pregnancy Loss (RPL) Therapy. *Oncotarget*. 8(20):32419-32432, **2017**, May 16. *doi: 10.18632/oncotarget.16028*, JCR-IF:**5.008**

11. Hakam M.S., Miranda-Sayago J.M., **Hayrabedyan S.**, Todorova K., Spencer P.S., Jabeen A., Barnea E.R., Fernandez N.. Preimplantation Factor (PIF) Promotes HLA-G, -E, -F, -C Expression in JEG-3 Choriocarcinoma Cells and Endogenous Progesterone Activity. *Cellular Physiology and Biochemistry*, 43, 6, Karger Publishers, 2017, DOI:10.1159/000484378, 2277-2296, **JCR-IF:5.104**

12. Canh P. Voong, Patrick S. Spencer, Cristina V. Navarrete, David Turner, **Soren B. Hayrabedyan**, Philip Crummy, Emma Holloway, Mike T. Wilson, Patricia R. Smith, Nelson Fernández. HLA-DR Genotyping and Mitochondrial DNA Analysis Reveal the Presence of Family Burials in a Fourth Century Romano-British Christian Cemetery. *Frontiers in Genetics*, 8, 182, Frontiers Media SA, 2017, DOI:10.3389/fgene.2017.00182, 1-10, **JCR-IF:3.789**

2016

13. A. Piermattei, G. Migliara, G. Di Sante, M. Foti, **S.B. Hayrabedyan**, A. Papagna, M.C. Geloso, M. Corbi, M. Valentini, A. Sgambato, G. Delogu, G. Constantin, F. Ria. Toll-Like Receptor 2 mediates in vivo pro-and anti-inflammatory effects of Mycobacterium tuberculosis and modulates autoimmune encephalomyelitis. *Frontiers in immunology*. 2016;7, *http://dx.doi.org/10.3389/fimmu.2016.00191*, JCR-IF:**5.695**

14. **Soren Hayrabedyan**, Krassimira Todorova, Asma Jabeen, Gergana, Metodieva, Stavri Toshkov, Metodi V. Metodiev, Milcho Mincheff, Nelson Fernández. Sertoli cells have a functional NALP3 inflammasome that can modulate autophagy and cytokine production. *Scientific Reports* | 5:18896 | *DOI: 10.1038/srep18896*; received: 15 September 2015; accepted: 27 November 2015; Published: 8 January 2016 Nature Publishing Group, ISI **IF=5.578**

15. Chen YC, Rivera J, Fitzgerald M, Hausding C, Ying YL, Wang X, Todorova K, **Hayrabedyan S**, Barnea ER, Peter K. PreImplantation factor prevents atherosclerosis via its immunomodulatory effects without affecting serum lipids. *Thromb Haemost*. 2016 Feb 4;115(5). [Epub ahead of print] PubMed PMID: 26842698, JCR-IF:**5.255**

16. Barnea, Eytan R., **Hayrabedyan, Soren**, Todorova, Krassimira, Almogi-Hazan, Osnat, Or, Reuven, Guingab, Joy, McElhinney, James, Fernandez, Nelson, Barder, Timothy, PreImplantation factor (PIF*) regulates systemic immunity and targets protective regulatory and cytoskeleton proteins. *Immunobiology http://dx.doi.org/10.1016/j.imbio.2016.02.004*, JCR-IF:**3.044**

2015

17. **Soren Hayrabedyan**, Elina Avramska, Krassimira Todorova. Stemness applied to testis stem cell niche. *Andrologiia*, vol 25, Iss. 4, 2015, pp 7-14

18. Eytan R. Barnea, David Kirk, Krassimira Todorova, James McElhinney, **Soren Hayrabedyan**, Nelson Fernández. PIF direct immune regulation: Blocks mitogen-activated PBMCs proliferation, promotes T_H2/T_H1 bias, independent of Ca^{2+}. *Immunobiology*. 2015 http://dx.doi.org/10.1016/j.imbio.2015.01.010, JCR-IF:**3.044**

19. Elena Kistanova, Mihail Chervenkov, Kiril Shumkov, Rayko Peshev, Krasimira Todorova, **Soren Hayrabedyan**, Desislava Abadjieva, Almantas Shimkus and Aldone Shimkiene Immunostimulatory Properties of Spirulina platensis against Rabbit Haemorrhagic Disease Virus (14-131). *Pakistan Veterinary Journal* 2015, JCR-IF:**1.392**.

20. **S. Hayrabedyan**, K. Todorova. NALP signalling is required in sertoli cells for tight-junction protein interaction. *Acta Medica Bulgarica*, Vol. XLII, 2015, No 1, pp12-17.

21. K. Todorova**, S. Hayrabedyan**. miR-15A reconstitution in prostate cancer cell line suppresses cancer progression through down regulation of myb and androgen receptor upregulation. *Acta Medica Bulgarica*, Vol. XLII, 2015, No 1, pp 18-22.

22. **Soren B. Hayrabedyan**, Diana Y. Zasheva, Krassimira O. Todorova. NLRs challenge impacts tight junction claudins in Sertoli cells. *Folia Medica*, 2015; 57(1): 43-48

23. Krassimira Todorova, Kristiyan Kanev, Diana Zasheva, **Soren Hayrabedyan**. Dualistic role of microrna-204 in lymph node prostate cancer cell line model. *Andrologiia*, vol 24, Iss. 3, 2015

24. Krassimira Todorova, Metodi V. Metodiev, Gergana Metodieva, Diana Zasheva, Milcho Mincheff, and **Soren Hayrabedyan**. miR-204 is Dysregulated in Metastatic Prostate Cancer In Vitro. *Molecular Carcinogenesis*, 2015; Published online in Wiley Online Library (wileyonlinelibrary.com), JCR-IF:**4.8**

2014

25. Krassimira Todorova, Diana Zasheva, **Soren Hayrabedyan**. Innate immunity challenge differently modulates inflammatory and apoptosis regulation in lymph node and bone marrow metastatic cell line models, favouring higher metastatic phenotype. *Comptes rendus de l'Acade´mie bulgare des Sciences* Tome 67, No 11, 2014, 1575-1582, JCR-IF:**0.284**

26. Krassimira Todorova, Diana Zasheva, Kristiyan Kanev, and **Soren Hayrabedyan.** miR-204 Shifts the Epithelial to Mesenchymal Transition in Concert with the Transcription Factors RUNX2, ETS1, and cMYB in Prostate Cancer Cell Line Model. *Journal of Cancer Research*, vol. 2014, Article ID 840906, 14 pages, 2014. *doi:10.1155/2014/840906*

27. Barnea ER, Lubman DM, Liu Y-H, Absalon-Medina V, **Hayrabedyan S**, et al. (2014) Insight into PreImplantation Factor (PIF*) Mechanism for Embryo Protection and Development: Target Oxidative Stress and Protein Misfolding (PDI and HSP) through Essential RIPK Binding Site. *PLoS ONE* 9(7): e100263. *doi:10. 1371/journal.pone.0100263*, JCR-IF:**3.534**

2013

28. Asma Jabeen, Jose´ Maria Miranda-Sayago, Boguslaw Obara, Patrick Simon Spencer, Gill Barbara Dealtry, **Soren Hayrabedyan**, Valerie Shaikly, Pierre Philippe Laissue, and Nelson Ferna´ndez. Quantified Colocalization Reveals Heterotypic Histocompatibility Class I Antigen Associations on Trophoblast Cell Membranes: Relevance for Human Pregnancy. *Biology of Reproduction* (2013) 89(4):94, 1–10 Published online before print 4 September 2013. *DOI 10.1095/biolreprod*.113.111963, JCR-IF:**3.451**

29. Nelly Manolova, **Soren Hayrabedyan**, Krassimira Todorova, Diana Zasheva, Milena Mourjeva, Stanimir Kyurkchiev & Maria Stamenova (2013). Endometriosis Peritoneal Fluid Factors Involved in the Alteration of Decidualization Process, *Biotechnology & Biotechnological Equipment*, 27:4, 3982-3986, *DOI: 10.5504/BBEQ.2013.0032*, **JCR-IF:0.379**

30. **Soren Hayrabedyan**, Krassimira Todorova, Diana Zasheva, Daniela Moyankova, Desislava Georgieva, Jordana Todorova & Dimitar Djilianov (2013). Haberlea Rhodopensis has Potential as a New Drug Source Based on its Broad Biological Modalities, *Biotechnology & Biotechnological Equipment*, 27:1, 3553-3560, JCR-IF:**0.379**

31. **Soren Hayrabedyan**, Milcho Mincheff, Diana Zasheva, Nelly Manolova, Krassimira Todorova. Autophagy signalling is differentially modulated by miR-204 in context of innate immunity induction. *Comptes rendus de l'Acade´mie bulgare des Sciences*. Tome 66, No 1, 2013, 127-132, **JCR-IF:0.198**

32. Nelly Manolova, **Soren Hayrabedyan**, Krassimira Todorova, Diana Zasheva, Milena Mourjeva, Stanimir Kyurkchiev, Maria Stamenova. In search of factors in endometriosis peritoneal fluid that decreased decidualization process. *Comptes rendus de l'Academie bulgare des Sciences*. Tome 66, No 1, 2013. 153-158, JCR-IF:**0.198**

2012

33. **Hayrabedyan, S.**, Todorova, K., Pashova, S., Mollova, M., Fernández, N. Sertoli Cell Quiescence - New Insights (2012) *American Journal of Reproductive Immunology*. Epub 2012/04/24, JCR-IF:**3.317**

34. Todorova, K., Mincheff, M., **Hayrabedyan, S**., Mincheva, J., Zasheva, D., Kuzmanov, A., Fernández, N. Fundamental Role of microRNAs in Androgen-Dependent Male Reproductive Biology and Prostate

Cancerogenesis (2012) *American Journal of Reproductive Immunology*, Epub 2012/04/26, JCR-IF:**2.668**

35. Spencer, P.S., Hakam, S.M., Laissue, P.P., Jabeen, A., Jain, P., **Hayrabedyan, S**., Todorova, K., Blanch, A., Mcelhinney, J.M., Muhandiram, N., Alkhatib, S., Dealtry, G.B., Miranda-Sayago, J.M., Fernández, N. Key Cellular Components and Interactive Histocompatibility Molecules Regulating Tolerance to the Fetal Allograft (2012) *American Journal of Reproductive Immunology*. Epub 2012/04/24, JCR-IF:**3.317**

36. Kyurkchiev, S., Gandolfi, F., **Hayrabedyan, S.**, Brevini, T.A.L., Dimitrov, R., Fitzgerald, J.S., Jabeen, A., Mourdjeva, M., Photini, S.M., Spencer, P., Fernández, N., Markert, U.R. Stem Cells in the Reproductive System (2012) *American Journal of Reproductive Immunology*, 67 (6), pp. 445- 462, JCR-IF:**3.317**

37. **Hayrabedyan, S**., Georgiev, B., Kacheva, D., Chervenkov, M., Shumkov, K., Taushanova, P., Kistanova, E. Flowcytometry as a method for advanced evaluation of boar semen (2012) *Comptes Rendus de L'Academie Bulgare des Sciences*, 65 (4), pp. 541-548, JCR-IF:**0.211**

38. Georgiev, B., **Hayrabedyan, S**., Todorova, K., Zasheva, D., Taushanova, P., Kacheva, D., Hansen, P.J. Sperm proteins as potential markers of boar fertility (2012) *Comptes Rendus de L'Academie Bulgare des Sciences*, 65 (4), pp. 533-540, JCR-IF:**0.211**

39. Kr. Todorova, **S. Hayrabedyan**, J. Dineva, I. Vangelov, D. Zasheva, V. Penchev, G. Nikolov, M. Mollova and M. Ivanova. Cumulus biomarker evaluation for human oocyte quality prediction. *Acta Medica Bulgarica*, Vol. XXXIX, 2012, No 1, 70-76

40. K. Todorova, N. Manolova, D. Zasheva, **S. Hayrabedyan**. A relationship between microRNA-204 and occludin in prostate cancer inflammation signaling. *Acta Medica Bulgarica*, Vol. XXXIX, 2012, No 2, 23-28

41. Krasimira Todorova, Milcho Mincheff, Diana Zasheva, **Soren Hayrabedyan**. The role of miR-204 and NOD1 receptor in prostate cancer inflammation signalling (2012) *Comptes Rendus de L'Academie Bulgare des Sciences*, 65 (12), pp. 1739-1744, JCR-IF:**0.211**

2011

42. Todorova K., I. Vangelov, J. Dineva, V. Penchev, **S. Hayrabedyan**, G. Nikolov, M. Mollova, M. Ivanova. Lysil oxidase as a potential biomarker for predicting oocyte quality. *Comptes rendus de l'Academie bulgare des Sciences*. 2011,Vol 64, No9, pp.1355-1362, JCR-IF:**0.210**

43. Todorova K., D. Zasheva, **S. Hayrabedyan**, J. Dineva, I. Vangelov, V. Penchev, G. Nikolov, M. Mollova, M. Ivanova Gene panel in human cumulus cells as biomarker for successful in vitro procedures. *Comptes rendus de l'Academie bulgare des Sciences*. 2011, ISSN: 1310-1331 Vol 64, No8, pp.1143-1150, JCR-IF:**0.210**

44. K. Todorova, **S. Hayrabedyan**, J. Dineva I. Vangelov, V. Penchev, D. Nikolov, M. Mollova, M. Ivanova. IVF studies on the genetic potential of cumulus cells as biomarkers for selection of oocytes. BG Journal: *Reproductive Health* 2011, N18, pp 23-32.

2004 - 2008

45. **Hayrabedyan S**., Kyurkchiev S., Kehayov I. Calcium-binding protein S100A13 is overexpressed in endometriosis. *Comptes rendus de l'Acade'mie bulgare des Sciences*, 2008 Vol 61 No2 pp.281-292 2007

46. Kuzmanov A, **Hayrabedyan S**., Karaivanov M., Todorova K. Basal cell subpopulation as putative human prostate carcinoma stem cells. *Folia Histochem Cytobiol*. 2007, N 2, pp75-80, JCR-IF:**1.081**

47. Sarafian VS, Uzunova Y, **Hayrabedyan S**, Ganchevska P, Filipova M, Filipov I, Lukanov L, Vladimirov S. Histo-blood group antigen expression and proliferative activity of fibroblasts treated with dental monomers. *Cell Biol Toxicol*. 2007, JCR-IF:**1.971**

48. Kyurkchiev D., Ivanova-Todorova E., **Hayrabedyan S.**, Altankova I., Kyurkchiev S. Female sex steroid hormones modify some regulatory properties of monocyte-derived dendritic cells. *Americal J Reprod Immunology*, 2007, 58(5):425-433, JCR-IF:**2.172**

49. K. Todorova, **S. Hayrabedyan**, T. Shamov, M. Karaivanov, A. Kuzmanov, S. Kyurkchiev, I. Kehayov. Quantitative evaluation of AMACR in glioblastoma. *Comptes rendus de l'Academie bulgare des Sciences*, 2007, Tome 60, No. 10, pp.1123-1126 JCR-IF:**0.106**

50. K. Todorova, T. Shamov, **S. Hayrabedyan**, A. Kuzmanov, S. Kyurkchiev, I. Kehayov Quantitative evaluation of angiogenesis in glioblastoma with CD105. *Comptes rendus de l'Academie bulgare des Sciences*, 2007, Tome 60, No. 5, pp.577-580 JCR-IF:**0.106**

51. Karaivanov M, Todorova K, Kuzmanov A, **Hayrabedyan S.** Quantitative immunohistochemical detection of the molecular expression patterns in proliferative inflammatory atrophy. *J Mol Histol*., 2006, JCR-IF:**1.979**

52. Karaivanov M., Todorova K., Kuzmanov A., **Hayrabedyan S**., Kehayov I., Kyurkchiev S. Immunohistochemical comparative analysis of the expression of p63, AMACR, COX-2 and GSTP1 in proliferative inflamatory athrophy, prostate intraepithelial neoplasia and prostate carcinoma: diferential diagnosis and predicative significance. *Comptes rendus de l'Academie bulgare des Sciences*, 2006; Tome 59, N8, pp.885-889

53. Kuzmanov A., Todorova K., **Hayrabedyan S**., Karaivanov M., Kehayov I., Kyurkchiev S. Subpopulation of basal cell as putative human prostate carcinoma stem cells. *Comptes rendus de l'Academie bulgare des Sciences*, 2006; Tome 59, N12, pp.1327-1330

54. **Hayrabedyan S**., Kyurkchiev S., Kehayov I. Evaluation of IL-1A Expression in Endometriotic Lesions Using Quantitative Immunohistochemistry Approach, *Comptes rendus de l'Académie bulgare de Sciences*. 2006,Tome 59, No 2, p.229

55. Todorova K., **Hayrabedyan S**., Kuzmanov A. Karaivanov M. Kehayov I., Kyurkchiev S. Expression patterns of PSMA, COX-2, iNOS and GST in prostate carcinoma, adenoma and normal human tissues. *Comptes rendus de l'Academie bulgare des Sciences*, 2006; Tome 59, N4, pp.459-462

56. Todorova K., **Hayrabedyan S**., Kehayov I., Kyurkchiev S. Quantitative assessment of the expression levels of PSMA, hCG and endoglin in prostate carcinoma tissues. *Clinical Application of Immunology*, 2006, N3, p512-515

57. **Hayrabedyan S**., Kyurkchiev S., Kehayov I., FGF-1 and S100A13 possibly contribute to angiogenesis in endometriosis. (Review) J Reprod Immunol., 2005, October Vol. 67, Issues. 1-2, pp. 87-101, JCR-IF:**2.5**, ***Top 25 Hottest Articles for October- December 2005, ScienceDirect*** (http://top25.sciencedirect.com/subject/immunology- and-microbiology/14/journal/journal-of-reproductive-immunology/01650378/archive/6/)

58. **Hayrabedyan S**., Kyurkchiev S., Kehayov I. Endoglin (CD105) and S100A13 as markers of active angiogenesis in endometriosis. *Reprod Biol.* 2005, 5(1):51-67.

59. **Hayrabedyan S**.,Mourdjeva M.,Kyurkchiev S.,KehayovI I. .Immunofluorescent localization of IL-1α, FGF-1, S100A13 as angiogenic factors and a specific ovarian cancer marker (OVAC) in endometriosis. *Clinical Application of Immunology*, 2004, Vol. 3, No. 1, pp. 386-390.

60. **Hayrabedyan S**., Kyurkchiev S. Kehayov I. Application of partial deglycosilation with periodic acid for glycotope demasking in endometrial carcinoma. *Onkologos*, 2004 pp.30-33

61. Todorova K., **Hayrabedyan S**., Karaivanov M., Kehayov I., Kyurkchiev S. Potential markers for prostate carcinoma malignancy characterization. *Clinical Application of Immunology*. 2004; Vol.3, N2, pp.386-390

62. **Hayrabedyan S**., Kehayov I., Kyurkchiev S. Detection of endoglin in endometriotic lesions by immunocytochemical methods. *Comptes rendus de l'Académie bulgare de Sciences*. 2004, Tome 57, No.1,pp.69-76.

НАУЧНИ ФОРУМИ

1. Krassimira Todorova, Ilka Tsvetkova, **Soren Hayrabedyan**. Inflammasome induced cell death in Sertoli cells is caspase-1 induced, Nlrp3-dependent, and executed via caspase-3 activation. *ASRI 2021 Virtual Meeting*, (Santa Fe), 14-21 May, 2021, US, ***poster***

2. **Soren Hayrabedyan**, Ilka Tsvetkova, Radostina Tsvetankova, Albena Pamukova, Gabriel Elmadjian, Krassimira Todorova. Direct RNA sequencing of poly(A)+ and poly(A)- enriched transcriptome provides opportunity for studying the changes in mRNA / lncRNA landscape and epitranscriptomic modifications promoting cancer stemness and metastatic phenotype. *Nanopore Community Meeting 2020 online conference*. 01.12.2020 - 03.12.2020, London, United Kingdom, ***short video presentation & poster***

3. Krassimira Todorova, Ilka Tsvetkova, **Soren Hayrabedyan**. Sertoli cells have non-canonical functional inflammasome network, including Nlrp3 and Nlrc4, being able to potentially perturb the testis niche immune tolerance by differentially inflicting caspase-1-dependent cell death. *14th Congress of International Society for Immunology of Reproduction*. 13.11.2019 - 16.11.2019, Nara, Japan, ***poster***

4. **Soren Hayrabedyan**, Krassimira Todorova. Inflammasome signaling in health and disease "Body on fire". Jubilee Scientific Conference “45 years Medical University – Pleven”, 31.10.2019 - 02.11.2019, Pleven, Bulgaria, ***keynote plenary lecture***

5. **Soren Hayrabedyan**. Role of inflammasome signaling in reproduction. *6th Black Sea International Immunology School*, 25.10.2019 - 27.10.2019, Teteven, Bulgaria, ***plenary lecture***

6. **Soren Hayrabedyan.** Immunological contribution of the father to successful implantation. *ESRI Summer School Athens 2019*. 04.10.2019 - 06.10.2019, Athens, Greece, ***invited plenary lecturer***

7. **Soren Hayrabedyan**, Krassimira Todorova. TLR4/NOD1-2 interplay in Sertoli cells modulates autophagyinflammasome interactions, autophagy flux, and perturbs testis niche immune tolerance and inflicts cell death via a noncanonical functional inflammasome network. *3rd TRANSAutophagy CA15138 Annual Meeting 2019*, 23.04.2019 - 25.04.2019, Sofia, Bulgaria, ***plenary lecture***

8. Albena Apostolova, Vladimir Stoev, Radostina Tsvetankova, Ilka Tsvetkova, **Soren Hayrabedyan**, Krassimira Todorova. Hsa-miR-141 rescue induces transcriptome and protein changes towards autophagy induction, innate immunity pathways modulation and suppresses pro-oncogenic transcriptional factors. *3rd TRANSAutophagy CA15138 Annual Meeting 2019*, 23.04.2019 - 25.04.2019, Sofia, Bulgaria, ***poster***

9. Leyla Askova, Ilka Tsvetkova, Elina Avramska, Krassimira Todorova, **Soren Hayrabedyan**. Induction of TLR4/NOD1 innate immunity pathways incur transcriptome and metabolic changes activating autophagy in Sertoli cells in the context of a functional non-canonical inflammasome network inflicting cell death. *3rd TRANSAutophagy CA15138 Annual Meeting 2019*, 23.04.2019 - 25.04.2019, Sofia, Bulgaria, ***poster***

10. **Hayrabedyan S.**, Todorova K. Advantages of Oxford Nanopore native molecule sequencing for personalized diagnostics and its application in Sertoli cell transcriptomics for innate immunity and inflammasome signaling research. 15th International Symposium for Immunology of Reproduction. “*50 Years of International Coordination Committee for Immunology of Reproduction*”, 15–17 June, 2018, Varna, Bulgaria, ***plenary lecture***

11. Barnea E.R., Mueller, M., Di Simone N., Fernandez, N., Vialard, F., **Hayrabedyan, S.** Paidas, M.J. PIF protective, immune regulatory and regenerative properties: translation to treatment of pregnancy and non - pregnancy related pathologies. 15th International Symposium for Immunology of Reproduction, 15–17 June, 2018, Varna, Bulgaria, ***plenary lecture***

12. Hakam M.S., Miranda-Sayago J.M., **Hayrabedyan S.,** Todorova K., Spencer P.S., Khayyat B., Jabeen A., Barnea E.R., Fernández N. Regulation of HLA gene products and progesterone during pregnancy development: Role of Preimplantation Factor, PIF. 15th International Symposium for Immunology of Reproduction, 15–17 June, 2018, Varna, Bulgaria, ***plenary lecture***

13. Sezer L., Avramska E., Todorova K., **Hayrabedyan S.** Innate immunity TLR4 receptor signaling modulates Sertoli cells metabolic profile and induced NF-κB in MAPK1-dependent manner. 15th International Symposium for Immunology of Reproduction, 15–17 June, 2018, Varna, Bulgaria, ***poster presentation***

14. Apostolova A., Sezer L., **Hayrabedyan S.,** Todorova K. MicroRNA15a could participate in prostate cancer progression by modulating cell proliferation and pro-inflammatory signaling. 15th International Symposium for Immunology of Reproduction, 15–17 June, 2018, Varna, Bulgaria, ***poster presentation***

15. Apostolova A., **Hayrabedyan S.,** Todorova K. Hsa-miR-141 whole transcriptome changes in prostate cancer metastasis with stem cell enriched phenotype – seeking for new markers for personalized medicine. 15th International Symposium for Immunology of Reproduction, 15–17 June, 2018, Varna, Bulgaria, ***poster presentation***

16. **Hayrabedyan S.** Advantages of native nanopore sequencing (Oxford Nanopore) for personalized diagnostics. 40 years sequencing - a new era in contemporary diagnostics and personalised medicine. Personalized Medicine School organized by the Bulgarian Association for Personalized Medicine (BAPEMED) and Medical University of Plovdiv, Plovdiv, Bulgaria, 3-7 Nov, 2017, ***plenary lecture***

17. Krassimira Todorova, **Soren Hayrabedyan**. Talk on Single cell resolution 3D compartmentalization analysis of inflammasome and autophagy interaction in Sertoli cells. Working Group 2 (WG2) "Strategies for Autophagy analyses and modulation" Meeting 1 of COST Action Transautophagy. 6-8 March, Tübingen, Germany, 2017

18. **Soren Hayrabedyan**, Elina Avramska, Krassimira Todorova. Single cell resolution 3D compart-mentalization analysis of inflammasome and autophagy interaction in Sertoli cells challenged with TLR4 and NOD1 ligands. First Joint WG Meetings and the second MC Meeting of the COST Action “European Network of Multidisciplinary Research and Translation of Au-tophagy knowledge” Warsaw, Poland, October 6-7th, 2016

19. Krassimira Todorova, **Soren Hayrabedyan**. Effect of Hsa-miR-204 on autophagy modulation in prostate cancer. First Joint WG Meetings and the second MC Meeting of the COST Action “European Network of Multidisciplinary Research and Translation of Autophagy knowledge” Warsaw, Poland, October 6-7th, 2016

20. Krassimira Todorova, **Soren Hayrabedyan**. Cancer Stem Cells. Bulgarian Academy of Sciences. Exhibition on „Scientific view on stem cells “, 21st – 26th of April, 2016

21. G. Di Sante, G. Migliara, A. Piermattei, M. Valentini, **S. Hayrabedyan**, M. Foti, G. Constantin, M. Geloso, G. Delogu, F. Ria; A single non-synonimous polymorphism of Toll Like Receptor 2 modifies a binding site for small ligands, alters Th1/Th17 and Treg polarization of T cells and modifies clinic outcome of EAE, 4th European Congress of Immunology - ECI, 2015 - Vienna, Austria

22. G. Di Sante, M. Valentini, G. Migliara, A. Piermattei, B. Tolusso, G. Constantin, E. Stigliano, M. Geloso, **S. Hayrabedyan**, G. Delogu, F. Ria; Involvement of infectious agents on trafficking of effector T cells is mediated by a polymorphic site of TLR2 and CD44 isoforms expression. 4th European Congress of Immunology - ECI, 2015 - Vienna, Austria

23. Kristiyan Kanev, Elina Avramska, Krassimira Todorova, **Soren Hayrabedyan**. Application of 3D quantitative DNA methylation imaging for studying the global methylation status in Sertoli cells. Workshop of Experimental methods and models in biomedical research. May, 2015, Sofia.

24. ER Barnea, **S Hayrabedyan**, K Todorova, A Cooper. PIF regulates immune response in vitro and in vivo by targeting insulin degrading enzyme (IDE) and Kv1.3b proteins. 14th International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2015, Am J Reprod Imunology (IF 2.438), ***plenary lecture***

25. **S Hayrabedyan**, M Metodiev, G Metodieva, A Jabeen, N Fernandez, K Todorova. Role of TLR4 and NOD1 signaling in Sertoli cell innate immunity in regard to male infertility. Sertoli inflammasome and beyond. 14th International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2015, Am J Reprod Imunology (IF 2.438), ***plenary lecture***

26. K Todorova, **S Hayrabedyan**. miR-204 driven epigenetic regulation of androgen receptor. 14th International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2015, Am J Reprod Imunology (IF 2.438), ***poster***

27. Todorova K, **Hayrabedyan S**. Genome disarrangement cell line models reveal an epigenetically driven miR-204 regulation of androgen receptor. EPICONCEPT Workshop 2014. Las Palmas, Spain 07 - 09 May 2014, ***poster***

28. **Hayrabedyan S**, Avramska E, Kacheva D, Kistanova E, Todorova K. DNA methylation landscape in Sertoli

cells play role in its specific inflammasome regulation with implications to male fertility. EPICONCEPT Workshop 2014. Las Palmas, Spain 07 - 09 May 2014, ***poster***

29. Kanev K., Avramska E., Todorova K., **Hayrabedyan S**. Application of 3D image based assessment for studyng the impact of innate immunity signaling on global methylation status. 6th EFIS-ESI SEEIS. Timisoara. Romania. 26-29.09.2014***, poster***

30. **Soren B. Hayrabedyan**, Krassimira O. Todorova, Eytan R. Barnea. Structural design-based preimplantation factor (PIF*) fusion peptide synthetic DNA cloning and eukaryote expression aimed for functional proteomic studies and possible chronic immune disorders therapy. Journal of Reproductive Immunology 101–102 (2014) 18–39. ESRI meeting, Budapest, Hungary, 29.03-1.04.2014, IF 2.373***, poster***

31. **Soren B. Hayrabedyan**, David Kirk, Krassimira O. Todorova, Eytan R. Barnea. Preimplantation factor (PIF*) shares a common RIPK target to regulate global immune function required for maintained homeostasis. Journal of Reproductive Immunology 101–102 (2014) 18–39. ESRI meeting, Budapest, Hungary, 29.03-1.04.2014, IF 2.373, ***oral presentation***

32. Jabeen Asma, Boguslaw Obara, **Soren Hayrabedyan**, Soukaina M. Hakam, Jain Pallavi, Patrick S. Spencer, Pierre P. Laissue, Fernández Nelson. Effect of infection on heterotypic associations of immune receptors expressed on trophoblast-derived cells. Journal of Reproductive Immunology 101–102 (2014) 18–39. ESRI meeting, Budapest, Hungary, 29.03-1.04.2014, IF 2.373

33. Elina Avramska, **Soren Hayrabedyan**. TESTICULAR SERTOLI CELL FUNCTIONS. DIFFERENCES IN THE MODE OF PHAGOCYTOSIS OF BACTERIA BETWEEN MACROPHAGES AND SERTOLI CELLS. THE FIFTH WORKSHOP ON EXPERIMENTAL MODELS AND METHODS IN BIOMEDICAL RESEARCH. ISSN 1314-9091. Sofia, 2014

34. **Soren Hayrabedyan**, Krasimira TODOROVA. Micro RNA Based Therapy of Cancer: Rationale, Current State of the Art and Future Perspectives. TOGETHER IN CANCER CONTROL: IMMUNOLOGY, VIRUSES, NATURAL REMEDIES. THE 8 -Th MEETING WITH INTERNATIONAL PARTICIPATION - Hasumi foundation. PLEVEN 24-25.10. 2014, ***plenary lecture***

35. K. Todorova, M. Mincheff, **S. Hayrabedyan**. miR-204 Regulatory Interaction Network affect c-Myb Transcriptional Activation in Prostate Cancer Cell Line Model. Oncoimmunology - new horison. Hasumi founation. The 6-th meeting with international participation. 26-27.10.2012 Pleven Bulgaria, ***plenary lecture***

36. **Hayrabedyan S**., Todorova K., Jabeen A., Pashova Sh., Zasheva D., Manolova N., Fernández. N., Mollova M. The role of the Nucleotide-binding oligomerization domain-containing protein 1 in the mouse Sertoli cell innate immunity and signaling. 13th International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2012, AmJReprod Imunology IF 3.317 – ***plenary lecture***

37. Todorova K., Zasheva D.1, Manolova N., Mincheva J., Mincheff M., **Hayrabedyan S**. MiR-204 and miR-15a regulative interaction of c-Myb transcriptional activation in prostate cancer cell lines. 13th International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2012, Am J Reprod Imunology IF 3.317 – ***oral presentation***

38. **Hayrabedyan S.,** Todorova K., Zasheva D., Moyankova D., Georgieva D., Todorova J., Mladenov P., Djilianov D. Anti-oxidative, genotoxic and inflammatory signaling modulation effects of Haberlea rhodopensis extract in prostate cancer. 13th International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2012, Am J Reprod Imunology IF 3.317 – ***poster***

39. Todorova K., Zasheva D., Mincheva J., Mincheff M., Pashova Sh., **Hayrabedyan S**. Does miR-204 play a role in inflammation signaling in prostate cancer cell lines? 13th International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2012, Am J Reprod Imunology IF 3.317 – ***poster***

40. Jabeen A., Laissue P.P., Spencer P.S., Hakam S. M., Jain P., **Hayrabedyan S**., Todorova K., Blanch A.; McElhinney J. M.W.R., Paluwatta N. J. M., Alkhatib S., Dealtry G.B., Miranda-Sayago J.M., and Fernández N. Mapping histocompatibility molecules on trophoblast cells: a bioinformatics, bioimaging and proteomics systems approach; relevance for fetomaternal interaction. 13th International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2012, Am J Reprod Imunology IF 3.317– ***plenary lecture***

41. Manolova N., **Hayrabedyan S**., Zasheva D., Belemezova K., Mourjeva M., Kyurkchiev St., Stamenova M. In search of factors in endometriosis peritoneal fluid that decreased decidualization process. 13th International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2012, Am J Reprod Imunology IF 3.317, Poster young scientist award received

42. B. Georgiev, S**. Hayrabedyan**, K. Todorova, D. Zasheva, P. Taushanova, D. Kacheva, PJ Hansen. Boar Sperm Proteins as Potential Fertility Markers. 13th International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2012, ***poster***

43. Todorova K., **Hayrabedyan S.,** Dineva J., Vangelov I., Ivanova M., Mollova M. Gene panel in human cumulus cells as biomarker for successful in vitro procedures. ESHRE. Copenhagen, Denmark, 23-27 August, 2011, IF 2.966 – ***poster***

44. K. Vitlianova, T.I. Donova, **S. Hairabedian**, Metaloproteinase -9 correlates independently with obstructive pulmonary disease in chronic heart failure patients. P3509; ESC Congress 2011, France, 27-31 August, 2011 – ***poster***

45. Katerina D. Vitlianova, Temenuga I. Donova, **Soren Hairabedian**. Plasma hemoxygenase-1 depends on left ventricle dilatation in chronic heart failure patients. Устен докладs From the WORLD CONGRESS OF CARDIOLOGY. Scientific Sessions 2012, Dubai, United Arab Emirates, April 18-21,2012. Abstract published in Circulation.2012;125:e659-e740;originallypublishedonlineApril15,2012;doi:10.1161/CIR.0b013e31824fcd6b - ***oral presentation, IF 15.202***

46. **Soren Hayrabedyan**. Hospital information system at St. Ekaterina Hospital. National conference, 17.06.2010 Sofia – ***plenary lecture***

47. Karaivanov M., Todorova K., **Hayrabedyan S.** Immunohistochemical quantitative assessment of the expression of GSTP1, iNOS and COX-2 in PIA, PIN AND carcinoma in the prostate gland. 3rd Intercontinental Congress of Pathology, May 18-21, 2008, Barcelona, Spain; Virchows Arch, 452(Suppl 1):S1–S286 (2008). ISSN: 0945-6317. IF – 2.305 – ***poster***

48. Karaivanov M., K. Todorova, **S. Hayrabedyan,** V. Ivanova, A. Kuzmanov, I. Kehayov, S. Kyurkchiev. Differential diagnosis and predicative significance of AMACR and p63 in PIA, PIN and prostate carcinoma. IX National congress of pathology with international participants. 2-4 November 2006, Sofia, Bulgaria – ***poster***

49. Karaivanov M., K. Todorova, **S. Hayrabedyan**, V. Ivanova, A. Kuzmanov, I. Kehayov, S. Kyurkchiev. Immunohistochemical quantitative assessment of the expression of GSTP1, iNOS and COX-2 in PIA, PIN and carcinoma in the prostate gland. IX National congress of pathology with international participants. 2-4 November 2006, Sofia, Bulgaria – ***poster***

50. **Hayrabedyan S**, S. Kyurkchiev, I. Kehayov. Pro-angiogenic factors FGF-1 and S100A13 are over-expressed in endometriosis and positively correlate with the expression of the neo-angiogenic marker – endoglin. 11th International Symposium of Immunology of Reproduction. Varna, Bulgaria, June 2-4, 2006 – ***poster***

51. Karaivanov M., A. Kuzmanov, K. Todorova, **S. Hayrabedyan**, I. Kehayov, S. Kyurkchiev. Oxydative stress in PIA, PIN and PCA – immunohistochemical study on the expression of GSTP1 and COX-2. 11th International Symposium of Immunology of Reproduction. Varna, Bulgaria, June 2-4, 2006 – ***poster***

52. Todorova K., M. Karaivanov, A. Kuzmanov, **S. Hayrabedyan**, I. Kehayov, S. Kyurkchiev. Immunohistochemical comparative analysis of the expression of AMACR and p63 in PIA, PIN and PCA: diferential diagnosis and predicative significance. 11th International Symposium of Immunology of Reproduction. Varna, Bulgaria, June 2-4, 2006 – ***poster***

53. **Hayrabedyan S**., Ivanova, V., Kuyrkchiev S., Kehayov I.: Quantitative Immunohistochemistry approach for evaluation of the angiogenic status in cases of endometriosis. Third medical scientific conference for students and young doctors. 14-16 October 2004, Pleven, Bulgaria – ***oral presentation***

54. **Hayrabedyan S**., S. Kyurkchiev, I. Kehayov: Quantitative angiogenesis evaluation in endometriosis. 1st Balkan Congress of Reproductive Medicine, September 24-26 2004, Thessaloniki. Greece – ***oral presentation***

55. **Hayrabedyan S**., Ivanova V., Kyurkchiev S., Kehayov I. Tumor markers and angiogenic factors expression and angiogenic status evaluation in patients with adenomyosis and endometrial carcinoma. Immunological Days in Pleven, Pleven, Bulgaria, 20-23 May, 2004 – ***oral presentation***

56. **Hayrabedyan S**., M. Mourdjeva, S. Kyurkchiev, I. Kehayov: Angiogenic factors and ovarian-cancer specific antigen expressed in several cases of endometriosis. Hippokration congress on reproductive immunology. The 4th Congress of the European society for reproductive and development immunology. June 4-6, 2003 Rhodes – ***poster***

57. **Hayrabedyan S**., M. Mourdjeva, S. Kyurkchiev, I.Kehayov: Immunostaining pattern of severa langiogenic factors– FGF-1, IL-1α, S100A13 and endoglin in endometriosis and ovarian carcinoma. 10th Jubilee International Symposium of Immunology Reproduction, 4-6 September 2003, Varna, Bulgaria – ***oral presentation***

58. **Hayrabedyan S**., Mourdjeva M., Ivanova V., Kyurkchiev S., Kehayov I. Tumor and angiogenic markers localization in formalin-fixed paraffin embedded tissue sections from endometriosis. 2nd National Congress of Immunology, Sofia, 29 May – 1 June, 2003 – ***poster***

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Брой цитирани публикации: 31	Брой цитиращи източници: 337	Коригиран брой: 337.000

2004

1. **Soren Hayrabedyan**, **Milena Mourdjeva**, Stanimir Kyurkchiev, Ivan Kehayov. Immunofluorescent localization of Il-1α, FGF-1, S100A13 as angiogenic factors and a specific ovarian cancer marker (OVAC) in endometriosis. Clinical Application of Immunology, 3, 1, 2004, 310-315

   Цитира се в:

   1. Liu, Ruijuan, et al. "Impact of endometriosis on risk of ovarian, endometrial and cervical cancers: a meta-analysis." Archives of gynecology and obstetrics (2018): 1-12., **@2018** Линк — **1.000**
   2. Ii, J., Liu, R., Tang, S., Feng, F., Liu, C., Wang, L., Zhao, W., Zhang, T., Yao, Y., Wang, X., Sun, C. Impact of endometriosis on risk of ovarian, endometrial and cervical cancers: a meta-analysis (2019) Archives of Gynecology and Obstetrics, DOI: 10.1007/s00404-018-4968-1, **@2019** Линк — **1.000**

2005

2. **Hayrabedyan, S**, Kyurkchiev, S, Kehayov, I. FGF-1 and S100A13 possibly contribute to angiogenesis in endometriosis. Journal of reproductive immunology, 31, 67, Elsevier, 2005, DOI:http://dx.doi.org/10.1016/j.jri.2005.07.001, 87-101. ISI IF:2.815

   Цитира се в:

   3. Banning, Maggi. “Investigating Endometriosis: Symptoms, Diagnosis and Treatment.” Nurse Prescribing, vol. 4, no. 1, 2006, pp. 25–31., **@2006** Линк — **1.000**
   4. Uis, Salud, et al. Biomedicina (Biología, Patobiología, Bioclínica y Fármaco-Terapéutica) de La Familia de Las Proteínas S100 En La. 2006., **@2006** Линк — **1.000**
   5. Flores, I., Rivera, E., Ruiz, L.A., Santiago, O.I., Vernon, M.W., Appleyard, C.B. Molecular profiling of experimental endometriosis identified gene expression patterns in common with human disease (2007) Fertility and Sterility, 87 (5), pp. 1180-1199., **@2007** Линк — **1.000**
   6. Rewerk, S., Noppeney, T., Winkler, M., Nüllen, H., Duczek, C., Meyer, A.-J., Gruber, A., Grobholz, R., Willeke, F. Venoneuronal de- and regeneration of varicogenesis and neovascularisation: Influence of nerve growth factor [Venoneuronale de- und regeneration bei varikogenese und neovaskularisation: Einfluss von nerve-growth-faktor] (2007) Phlebologie, 36 (1), pp. 8-16., **@2007** Линк — **1.000**
   7. Zsebik, B., Symonowicz, K., Saleh, Y., Ziolkowski, P., Bronowicz, A., Vereb, G. Photodynamic therapy combined with a cysteine proteinase inhibitor synergistically decrease VEGF production and promote tumour necrosis in a rat mammary carcinoma (2007) Cell Proliferation, 40 (1), pp. 38-49., **@2007** Линк — **1.000**
   8. Florio, Pasquale, et al. “Expression and Role of Peptides, Proteins and Growth Factors in the Pathogenesis of Endometriosis.” Journal of Endometriosis and Pelvic Pain Disorders, vol. 1, no. 2, 2009, pp. 79–93., **@2009** Линк — **1.000**
   9. Kobayashi, H., Yamada, Y., Kanayama, S., Furukawa, N., Noguchi, T., Haruta, S., Yoshida, S., Sakata, M., Sado, T., Oi, H. The role of iron in the pathogenesis of endometriosis (2009) Gynecological Endocrinology, 25 (1), pp. 39-52., **@2009** Линк — **1.000**
   10. Possover, M., Tersiev, P., Angelov, D.N. Comparative Study of the Neuropeptide-Y Sympathetic Nerves in Endometriotic Involved and Noninvolved Sacrouterine Ligaments in Women with Pelvic Endometriosis (2009) Journal of Minimally Invasive Gynecology, 16 (3), pp. 340-343., **@2009** Линк — **1.000**
   11. Sparvero, L.J., Asafu-Adjei, D., Kang, R., Tang, D., Amin, N., Im, J., Rutledge, R., Lin, B., Amoscato, A.A., Zeh, H.J., Lotze, M.T. RAGE (Receptor for advanced glycation endproducts), RAGE ligands, and their role in cancer and inflammation (2009) Journal of Translational Medicine, 7, art. no. 17, **@2009** Линк — **1.000**

12. Stein, T., Salomonis, N., Nuyten, D.S.A., Vijver, M.J., Gusterson, B.A. A mouse mammary gland involution mRNA signature identifies biological pathways potentially associated with breast cancer metastasis (2009) Journal of Mammary Gland Biology and Neoplasia, 14 (2), pp. 99-116, **@2009** Линк **1.000**

13. Govani, F.S., Shovlin, C.L. Fine mapping of the hereditary haemorrhagic telangiectasia (HHT)3 locus on chromosome 5 excludes VE-Cadherin-2, Sprouty4 and other interval genes (2010) Journal of Angiogenesis Research, 2 (1), art. no. 15, **@2010** Линк **1.000**

14. Kang, S., Li, S.-Z., Wang, N., Zhou, R.-M., Wang, T., Wang, D.-J., Li, X.-F., Bui, J., Li, Y. Association between genetic polymorphisms in fibroblast growth factor (FGF)1 and FGF2 and risk of endometriosis and adenomyosis in Chinese women (2010) Human Reproduction, 25 (7), pp. 1806-1811., **@2010** Линк **1.000**

15. Li, C., Zhang, F., Wang, Y. S100A proteins in the pathogenesis of experimental corneal neovascularization (2010) Molecular Vision, 16, pp. 2225-2235., **@2010** Линк **1.000**

16. Massi, D., Landriscina, M., Piscazzi, A., Cosci, E., Kirov, A., Paglierani, M., Di Serio, C., Mourmouras, V., Fumagalli, S., Biagioli, M., Prudovsky, I., Miracco, C., Santucci, M., Marchionni, N., Tarantini, F. S100A13 is a new angiogenic marker in human melanoma (2010) Modern Pathology, 23 (6), pp. 804-813., **@2010** Линк **1.000**

17. Mohan, S.K., Rani, S.G., Yu, C. The heterohexameric complex structure, a component in the non-classical pathway for fibroblast growth factor 1 (FGF1) secretion (2010) Journal of Biological Chemistry, 285 (20), pp. 15464-15475., **@2010** Линк **1.000**

18. Omwandho, C.O.A., Konrad, L., Halis, G., Oehmke, F., Tinneberg, H.-R. Role of TGF-s in normal human endometrium and endometriosis (2010) Human Reproduction, 25 (1), pp. 101-109., **@2010** Линк **1.000**

19. Rani, S.G., Mohan, S.K., Yu, C. Molecular level Interactions of S100A13 with amlexanox: Inhibitor for formation of the multiprotein complex in the nonclassical pathway of acidic fibroblast growth factor (2010) Biochemistry, 49 (11), pp. 2585-2592., **@2010** Линк **1.000**

20. Rani, Sandhya G., et al. "Molecular Level Interactions of S100A13 with Amlexanox: Inhibitor for Formation of the Multiprotein Complex in the Nonclassical Pathway of Acidic Fibroblast Growth Factor." Biochemistry, vol. 49, no. 11, 2010, pp. 2585–2592., **@2010** Линк **1.000**

21. Salilew-Wondim, Dessie, et al. "Bovine Pretransfer Endometrium and Embryo Transcriptome Fingerprints as Predictors of Pregnancy Success after Embryo Transfer." Physiological Genomics, vol. 42, no. 2, 2010, pp. 201–218., **@2010** Линк **1.000**

22. Stephens, A.N., Hannan, N.J., Rainczuk, A., Meehan, K.L., Chen, J., Nicholls, P.K., Rombauts, L.J.F., Stanton, P.G., Robertson, D.M., Salamonsen, L.A. Post-translational modifications and protein-specific isoforms in endometriosis revealed by 2D DIGE (2010) Journal of Proteome Research, 9 (5), pp. 2438-2449., **@2010** Линк **1.000**

23. Barone, C., Bagalà, C., & Landriscina, M. (2011). S100A13 (S100 calcium binding protein A13). Atlas of Genetics and Cytogenetics in Oncology and Haematology, (6)., **@2011** Линк **1.000**

24. Kajihara, H., Yamada, Y., Kanayama, S., Furukawa, N., Noguchi, T., Haruta, S., Yoshida, S., Sado, T., Oi, H., Kobayashi, H. New insights into the pathophysiology of endometriosis: From chronic inflammation to danger signal (2011) Gynecological Endocrinology, 27 (2), pp. 73-79., **@2011** Линк **1.000**

25. Mohan, S.K., Yu, C. The IL1α-S100A13 heterotetrameric complex structure: A component in the non-classical pathway for interleukin 1 α secretion (2011) Journal of Biological Chemistry, 286 (16), pp. 14608-14617., **@2011** Линк **1.000**

26. Chang, K.-K., Liu, L.-B., Jin, L.-P., Meng, Y.-H., Shao, J., Wang, Y., Mei, J., Li, M.-Q., Li, D.-J. NME1 suppression of endometrial stromal cells promotes angiogenesis in the endometriotic milieu via stimulating the secretion of IL-8 and VEGF (2013) International Journal of Clinical and Experimental Pathology, 6 (10), pp. 2030-2038., **@2013** Линк **1.000**

27. Donato, R., Cannon, B.R., Sorci, G., Riuzzi, F., Hsu, K., Weber, D.J., Geczy, C.L. Functions of S100 proteins (2013) Current Molecular Medicine, 13 (1), pp. 24-57., **@2013** Линк **1.000**

28. Gacche, R.N., Meshram, R.J. Targeting tumor micro-environment for design and development ofnovel anti-angiogenic agents arresting tumor growth (2013) Progress in Biophysics and Molecular Biology, 113 (2), pp. 333-354., **@2013** Линк **1.000**

29. Aghamohammadi, A., Hosseinimehr, S.J. Antiangiogenic agents in natural products for the treatment of gynecologic disorders (2014) Nutrition and Cancer, 66 (2), pp. 206-213., **@2014** Линк **1.000**

30. Liu N, Zhang J, Sun S, Yang L, Zhou Z, Sun Q, Niu J. Expression and clinical significance of fibroblast growth factor 1 in gastric adenocarcinoma. OncoTargets and therapy. 2015;8:615., **@2015** **1.000**

31. Sun Q, Lin P, Zhang J, Li X, Yang L, Huang J, Zhou Z, Liu P, Liu N. Expression of Fibroblast Growth Factor 10 Is Correlated with Poor Prognosis in Gastric Adenocarcinoma. Tohoku Journal of Experimental Medicine. 2015 Aug 1;236(4)., **@2015** **1.000**

32. Yarmolinskaya, M. I., et al. ЦИТОКИны КАК МАРКеРы д Ля НеИнВАз ИВнОй д ИАгнОСТИКИ ГенИТАЛьнОгО ЭндОМеТРИОзА. 2015., **@2015** Линк **1.000**

33. Hsu YC, Kao CY, Chung YF, Lee DC, Liu JW, Chiu M. Activation of Aurora A kinase through the FGF1/FGFR signaling axis sustains the stem cell characteristics of glioblastoma cells. Experimental cell research. 2016 Jun 10;344(2):153-66., **@2016** Линк **1.000**

34. Jing Q, Wang Y, Liu H, Deng X, Jiang L, Liu R, Song H, Li J. FGFs: crucial factors that regulate tumour initiation and progression. Cell proliferation. 2016 Aug 1;49(4):438-47., **@2016** Линк **1.000**

35. Malutan A, Drugan T, Georgescu C, Ciortea R, Bucuri C, Bobric A, Rada MP, Mihu D. Vascular EndothElial Growth Factor sErum lEVEls in womEn with adVancEd EndomEtriosis. ACTA ENDOCRINOLOGICA-BUCHAREST. 2016 Jan 1;12(1):7-13., **@2016** Линк **1.000**

36. Matasariu R Mihaila A Iacob M Dumitrascu I Onofriescu M Vulpoi C Crumpei Tanasa I. "Psycho-social aspects of quality of life in women with endometriosis". Acta Endocrinologica, vol. 13, issue 3 (2017), **@2017** Линк **1.000**

37. Украинец, Р. В., and Ю. С. Корнева. “Васкуляризация Ткани Эндометрия в Условиях Брюшной Полости – Важнейшее Звено Патогенеза Эндометриоза Или Его «ахиллесова Пята» с Точки Зрения Лечения? (Обзор Литературы).” Regional Blood Circulation and Microcirculation, vol. 18, no. 2, 2019, pp. 12–18., **@2019** Линк **1.000**

38. Xiao, X., Yang, C., Qu, S.-L., Shao, Y.-D., Zhou, C.-Y., Chao, R., Huang, L., Zhang, C. S100 proteins in atherosclerosis (2020) Clinica Chimica Acta, 502, pp. 293-304. DOI: 10.1016/j.cca.2019.11.019, PUBMED ID: 31794767, **@2020** Линк **1.000**

39. Ikeda, M., Negishi, Y., Akira, S., Morita, R., Takeshita, T. Inflammation related to high-mobility group box-1 in endometrial ovarian cyst (2021) Journal of Reproductive Immunology, 145, art. no. 103292, ., **@2021** Линк **1.000**

40. Xie, T., Xu, X., Yang, Y., Wu, C., Liu, X., Zhou, L., Song, Y. "The Role of Abnormal Uterine Junction Zone in the Occurrence and Development of Adenomyosis". Reproductive Sciences, 2021, **@2021** Линк **1.000**

41. Jurewicz, E., Filipek, A. "Ca2+- binding proteins of the S100 family in preeclampsia". Placenta, 127, pp. 43-51, 2022, **@2022** Линк **1.000**

3. **Hayrabedyan, S**, Kyurkchiev, S, Kehayov, I. Endoglin (cd105) and S100A13 as markers of active angiogenesis in endometriosis. Reproductive biology, 5, 1, Elsevier, 2005, ISSN:1642-431X, 51-67. ISI IF:1.524

Цитира се в:

42. Gupta, S., Agarwal, A., Sekhon, L., Krajcir, N., Cocuzza, M., Falcone, T. Serum and peritoneal abnormalities in endometriosis: Potential use as diagnostic markers (2006) Minerva Ginecologica, 58 (6), pp. 527-551., **@2006** Линк **1.000**

43. Jondet, M., Vacher-Lavenu, M.C., Chapron, C., Vacher-Lavenu, M.C., Chapron, C. Image analysis measurements of the microvascularisation in endometrium, superficial and deep endometriotic tissues (2006) Angiogenesis, 9 (4), pp. 177-182., **@2006** Линк **1.000**

44. Landriscina, M., Schinzari, G., Di Leonardo, G., Quirino, M., Cassano, A., D'Argento, E., Lauriola, L., Scerrati, M., Prudovsky, I., Barone, C. S100A13, a new marker of angiogenesis in human astrocytic gliomas (2006) Journal of Neuro-Oncology, 80 (3), pp. 251-259., **@2006** Линк **1.000**

45. Uis, Salud, et al. Biomedicina (Biología, Patobiología, Bioclínica y Fármaco-Terapéutica) de La Familia de Las Proteínas S100 En La. 2006., **@2006** Линк **1.000**

46. Einspahr, J.G., Thomas, T.L., Saboda, K., Nickolof, B.J., Warneke, J., Curiel-Lewandrowski, C., Ranger-Moore, J., Duckett, L., Bangert, J., Fruehauf, J.P., Alberts, D.S. Expression of vascular endothelial growth factor in early cutaneous melanocytic lesion progression (2007) Cancer, 110 (11), pp. 2519-2527., **@2007** Линк **1.000**

47. Li, M., Zhang, P.-F., Pan, X.-W., Chang, W.-R. Crystal structure study on human S100A13 at 2.0 Å resolution (2007) Biochemical and Biophysical Research Communications, 356 (3), pp. 616-621., **@2007** Линк **1.000**

48. Pierce, A., Barron, N., Linehan, R., Ryan, E., O'Driscoll, L., Daly, C., Clynes, M. Identification of a novel, functional role for S100A13 in invasive lung cancer cell lines (2008) European Journal of Cancer, 44 (1), pp. 151-159., **@2008** Линк **1.000**

49. Styer, A.K., Sullivan, B.T., Puder, M., Arsenault, D., Petrozza, J.C., Serikawa, T., Chang, S., Hasan, T., Gonzalez, R.R., Rueda, B.R. Ablation of leptin signaling disrupts the establishment, development, and maintenance of endometriosis-like lesions in a murine model (2008) Endocrinology, 149 (2), pp. 506-514., **@2008** Линк **1.000**

50. Van Langendonckt, A., Donnez, J., Defrère, S., Dunselman, G.A.J., Groothuis, P.G. Antiangiogenic and vascular-disrupting agents in endometriosis: Pitfalls and promises (2008) Molecular Human Reproduction, 14 (5), pp. 259-268., **@2008** Линк **1.000**

51. Al-Jefout, M., Tokushige, N., Hey-Cunningham, A., Manconi, F., Ng, C., Schulke, L., Berbic, M., Markham, R., Fraser, I. Microanatomy and function of the eutopic endometrium in women with endometriosis (2009) Expert Review of Obstetrics and Gynecology, 4 (1), pp. 61-79., **@2009** Линк **1.000**

52. Alev, C., Mcintyre, B.A.S., Ota, K., Guojun, S. Dynamic expression of Endoglin, a TGF-β co-receptor, during pre-circulation vascular development in chick (2010) International Journal of Developmental Biology, 54 (4), pp. 737-742., **@2010** Линк **1.000**

53. Mahooti, S., Porter, K., Alpaugh, M. L., Ye, Y., Xiao, Y., Jones, S., … Barsky, S. H. (2010). Breast Carcinomatous Tumoral Emboli Can Result From Encircling Lymphovasculogenesis Rather Than Lymphovascular Invasion. Oncotarget, 1(2), 131–147., **@2010** Линк **1.000**

54. Massi, D., Landriscina, M., Piscazzi, A., Cosci, E., Kirov, A., Paglierani, M., Di Serio, C., Mourmouras, V., Fumagalli, S., Biagioli, M., Prudovsky, I., Miracco, C., Santucci, M., Marchionni, N., Tarantini, F. S100A13 is a new angiogenic marker in human melanoma (2010) Modern Pathology, 23 (6), pp. 804-813., **@2010** Линк **1.000**

55. Barone, C., Bagalà, C., & Landriscina, M. (2011). S100A13 (S100 calcium binding protein A13). Atlas of Genetics and Cytogenetics in Oncology and Haematology, (6)., **@2011** Линк **1.000**

56. Abdullah, N. Endoglin concentration in peritoneal fluid of patients with endometriosis (2013) Medical Journal of Indonesia, 22 (2), pp. 88-91., **@2013** Линк **1.000**

57. Ersoy, Burcu. "Development of peritoneal endometriosis: Characterisation of immune environment in peritoneal endometriotic lesions." (2015)., **@2015** **1.000**

58. Laux-Biehlmann A, d'Hooghe T, Zollner TM. Menstruation pulls the trigger for inflammation and pain in endometriosis. Trends in pharmacological sciences. 2015 May 31;36(5):270-6., **@2015** **1.000**

59. Laschke MW, Menger MD. The gut microbiota: a puppet master in the pathogenesis of endometriosis?. American journal of obstetrics and gynecology. 2016 Feb 18., **@2016** Линк **1.000**

60. Xiao, Hong, Lihua Yang, Jianjun Liu, Yang Jiao, Lin Lu, and Hongbo Zhao. "Protein-protein interaction analysis to identify biomarker networks for endometriosis." Experimental and therapeutic medicine 14, no. 5, 2017: 4647-4654, **@2017** Линк **1.000**

61. Dutta, M., Singh, B., Joshi, M., Das, D., Subramani, E., Maan, M., ... & Ray, C. D. (2018). Metabolomics reveals perturbations in endometrium and serum of minimal and mild endometriosis. Scientific reports, 8., **@2018** Линк **1.000**

62. Laschke, Matthias W., and Michael D. Menger. "Basic mechanisms of vascularization in endometriosis and their clinical implications." Human reproduction update 24.2 (2018): 207-224., **@2018** Линк **1.000**

63. Warren, L. A., Shih, A., Marquez Renteira, S., Seckin, T., Blau, B., Simpfendorfer, K., ... & Gregersen, P. K. (2018). Analysis of menstrual effluent: diagnostic potential for endometriosis. Molecular Medicine, 24(1)., **@2018** Линк **1.000**

64. Harmsen, M.J., Wong, C.F.C., Mijatovic, V., Griffioen, A.W., Groenman, F., Hehenkamp, W.J.K., Huirne, J.A.F. Role of angiogenesis in adenomyosis-associated abnormal uterine bleeding and subfertility: A systematic review (2019) Human Reproduction Update, DOI: 10.1093/humupd/dmz024, **@2019** Линк **1.000**

65. Украинец, Р. В., & Корнева, Ю. С. (2019). Васкуляризация ткани эндометрия в условиях брюшной полости – важнейшее звено патогенеза эндометриоза или его «ахиллесова пята» с точки зрения лечения? (обзор литературы). Regional Blood Circulation and Microcirculation, 18(2), 12–18., **@2019** Линк **1.000**

66. Angioni, S., Saponara, S., Succu, A. G., Sigilli, M., Scicchitano, F., & D'Alterio, M. N. (2020). Metabolomic Characteristics in Endometriosis Patients. In Endometriosis Pathogenesis, Clinical Impact and Management (pp. 9-17). Springer, Cham., **@2020** Линк **1.000**

67. Gogusev, J., Lepelletier, Y., El Khattabi, L., Grigoroiu, M., Validire, P. Establishment and Characterization of a Stromal Cell Line Derived From a Patient With Thoracic Endometriosis (2020) Reproductive Sciences, 27 (8), pp. 1627-1636. DOI: 10.1007/s43032-020-00193-8, PUBMED ID: 32430714, **@2020** Линк **1.000**

68. Santoso, B., Rahmawati, N.Y., Sa'adi, A., Dwiningsih, S.R., Annas, J.Y., Tunjungseto, A., Widyanugraha, M.Y.A., Mufid, A.F., Ahsan, F. "Elevated peritoneal soluble endoglin and GDF-15 in infertile women with severe endometriosis and pelvic adhesion". Journal of Reproductive Immunology, 146, art. no. 103343, 2021, **@2021** Линк **1.000**

69. Zakrzewski, P.K. "Canonical tgfβ signaling and its contribution to endometrial cancer development and progression— underestimated target of anticancer strategies". Journal of Clinical Medicine, 10 (17), art. no. 3900, 2021, **@2021** Линк **1.000**

70. Barra, F., Evangelisti, G., Ferrero, S., Scala, C. Pain. Immunology of Endometriosis: Pathogenesis and Management, pp. 155-168, 2022, **@2022** Линк **1.000**

2007

4. Karaivanov, M., **Todorova, K.**, Kuzmanov, A., **Hayrabedyan, S.**. Quantitative immunohistochemical detection of the molecular expression patterns in proliferative inflammatory atrophy. Journal of Molecular Histology, 38, SpringerLink, 2007, ISSN:15672379, DOI:10.1007/s10735-006-9070-5, 1439-11. SJR (Scopus):1.072, JCR-IF (Web of Science):1.8

Цитира се в:

71. Ribeiro, D.L., Marques, S.F.G., Alberti, S., Spadella, C.T., Manzato, A.J., Taboga, S.R., Dizeyi, N., Abrahamsson, P.-A., Góes, R.M. "Malignant lesions in the ventral prostate of alloxan-induced diabetic rats". International Journal of Experimental Pathology, 89 (4), pp. 276-283, 2008, **@2008** Линк **1.000**

72. Berretta, R., Moscato, P. "Cancer biomarker discovery: The entropic hallmark". PLoS ONE, 5 (8), art. no. e12262, 2010, **@2010** Линк **1.000**

73. Schlücker, S., Salehi, M., Bergner, G., Schütz, M., Ströbel, P., Marx, A., Petersen, I., Dietzek, B., Popp, J. "Immuno-surface-enhanced coherent anti-Stokes Raman scattering microscopy: Immunohistochemistry with target-specific metallic nanoprobes and nonlinear Raman microscopy". Analytical Chemistry, 83 (18), pp. 7081-7085, 2011, **@2011** Линк **1.000**

74. Bostwick, D.G., Cheng, L. "Precursors of prostate cancer". Histopathology, 60 (1), pp. 4-27, 2012, **@2012** Линк **1.000**

75. Gobbo, M.G., Ribeiro, D.L., Taboga, S.R., De Almeida, E.A., Góes, R.M. "Oxidative stress markers and apoptosis in the prostate of diabetic rats and the influence of vitamin C treatment". Journal of Cellular Biochemistry, 113 (7), pp. 2223-2233, 2012, **@2012** Линк **1.000**

76. Bostwick, D.G. "Nonneoplastic Diseases of the Prostate". Urologic Surgical Pathology, pp. 358-414, 2020, **@2020** Линк **1.000**

77. Fernandes, G.G., Pedrina, B., Lainetti, P.F., Kobayashi, P.E., Govoni, V.M., Palmieri, C., de Moura, V.M.B.D., Laufer-Amorim, R., Fonseca-Alves, C.E. "Morphological and molecular characterization of proliferative inflammatory atrophy in canine prostatic samples". Cancers, 13 (8), art. no. 1887, 2021, **@2021** Линк **1.000**

5. Kyurkchiev, D, Ivanova-Todorova, E, **Hayrabedyan, S**, Altankova, I, Kyurkchiev, S. Female Sex Steroid Hormones Modify Some Regulatory Properties of Monocyte-Derived Dendritic Cells. American Journal of Reproductive Immunology, 58, 5, Wiley, 2007, ISSN:1600-0897, DOI:10.1111/j.1600-0897.2007.00526.x, 425-433. ISI IF:2.438

Цитира се в:

78. Kammerer, U., Kruse, A., Barrientos, G., Arck, P.C., Blois, S.M. Role of dendritic cells in the regulation of maternal immune responses to the fetus during mammalian gestation (2008) Immunological Investigations, 37 (5-6), pp. 499-533, **@2008** Линк **1.000**

79. Papenfuss, T.L., Whitacre, C.C. Sex hormones, pregnancy, and immune function (2009) Hormones, Brain and Behavior Online, pp. 367-394, **@2009** Линк **1.000**

80. Ansar Ahmed, S., Karpuzoglu, E., Khan, D. Effects of sex steroids on innate and adaptive immunity (2010) Sex Hormones and Immunity to Infection, pp. 19-51, **@2010** Линк **1.000**

81. Berczi, I., Laatikainen, R., Pulkkinen, J. Sex hormones and their analogues in neuroimmune biology (2010) Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry, 10 (3), pp. 142-181, **@2010** Линк **1.000**

82. Uz, Y.H., Murk, W., Yetkin, C.E., Kayisli, U.A., Arici, A. Expression and role of interleukin-23 in human endometrium throughout the menstrual cycle and early pregnancy (2010) Journal of Reproductive Immunology, 87 (1-2), pp. 21-27, **@2010** Линк **1.000**

83. Öktenli, C., Çelik, S. Current perspectives on immunology and endocrinology (2011) Immunology in Clinic Practice, pp. 113-134, **@2011** Линк **1.000**

84. Papenfuss, T.L., Powell, N.D., McClain, M.A., Bedarf, A., Singh, A., Gienapp, I.E., Shawler, T., Whitacre, C.C. Estriol generates tolerogenic dendritic cells in vivo that protect against autoimmunity (2011) Journal of Immunology, 186 (6), pp. 3346-3355, **@2011** Линк **1.000**

85. Xu, Y., He, H., Li, C., Shi, Y., Wang, Q., Li, W., Song, W. Immunosuppressive effect of progesterone on dendritic cells in mice (2011) Journal of Reproductive Immunology, 91 (1-2), pp. 17-23, **@2011** Линк **1.000**

86. Demyanets, S., Huber, K., Wojta, J. Vascular effects of glycoprotein130 ligands - Part II: Biomarkers and therapeutic targets (2012) Vascular Pharmacology, 57 (1), pp. 29-40, **@2012** Линк **1.000**

87. Hughes, G.C. Progesterone and autoimmune disease (2012) Autoimmunity Reviews, 11 (6-7), pp. A502-A514, **@2012** Линк **1.000**

88. Lasarte, S., Elsner, D., Sanchez-Elsner, T., Fernandez-Pineda, A., López-Fernández, L.A., Corbí, A.L., Muñoz-Fernandez, M.A., Relloso, M. Estradiol downregulates NF-κb translocation by Ikbkg transcriptional repression in dendritic cells (2013) Genes and Immunity, 14 (7), pp. 462-469, **@2013** Линк **1.000**

89. Tumangelova-Yuzeir, K., Ivanova-Todorova, E., Kyurkchiev, D. Non-lymphoid immunoregulatory cells (2013) Revmatologiia (Bulgaria), 21 (1), pp. 12-19, **@2013** Линк **1.000**

90. Schumacher, A., Costa, S.-D., Zenclussen, A.C. Endocrine factors modulating immune responses in pregnancy (2014) Frontiers in Immunology, 5 (MAY), art. no. 196, **@2014** Линк **1.000**

91. Song, D., Shi, Y.C. Immune system modifications and feto-maternal immune tolerance (2014) Chinese Medical Journal, 127 (17), pp. 3171-3180, **@2014** Линк **1.000**

92. Tipton, A.J., Sullivan, J.C. Sex differences in T Cells in hypertension (2014) Clinical Therapeutics, 36 (12), pp. 1882-1900., **@2014** Линк **1.000**

93. Wan, C., Latter, J.L., Amirshahi, A., Symonds, I., Finnie, J., Bowden, N., Scott, R.J., Cunningham, K.A., Timms, P., Beagley, K.W. Progesterone Activates Multiple Innate Immune Pathways in Chlamydia trachomatis-Infected Endocervical Cells (2014) American Journal of Reproductive Immunology, 71 (2), pp. 165-177, **@2014** Линк **1.000**

94. Cai JY, Li MJ. Interleukin 23 regulates the functions of human decidual immune cells during early pregnancy. Biochemical and biophysical research communications. 2015 Nov 30., **@2015** **1.000**

95. Peretz J, Hall OJ, Klein SL. Sex Differences in Influenza Virus Infection, Vaccination, and Therapies. InSex and Gender Differences in Infection and Treatments for Infectious Diseases 2015 (pp. 183-210). Springer International Publishing., **@2015** **1.000**

96. Cai JY, Li MJ. Interleukin 23 regulates the functions of human decidual immune cells during early pregnancy. Biochemical and biophysical research communications. 2016 Jan 15;469(3):340-4., **@2016** **1.000**

97. Franconi F, Rosano G, Basili S, Montella A, Campesi I. Human cells involved in atherosclerosis have a sex. International Journal of Cardiology. 2016 Nov 9., **@2016** **1.000**

98. Nair RR, Verma P, Singh K. Immune-endocrine crosstalk during pregnancy. General and comparative endocrinology. 2016 Mar 7., **@2016** **1.000**

99. Roved J, Westerdahl H, Hasselquist D. Sex differences in immune responses: Hormonal effects, antagonistic selection, and evolutionary consequences. Hormones and Behavior. 2016 Dec 9., **@2016** **1.000**

100. Franconi, Flavia, Giuseppe Rosano, Stefania Basili, Andrea Montella, and Ilaria Campesi. "Human cells involved in atherosclerosis have a sex." International journal of cardiology 228, 2017: 983-1001, **@2017** Линк **1.000**

101. Hall, Olivia J., and Sabra L. Klein. "Progesterone-based compounds affect immune responses and susceptibility to infections at diverse mucosal sites." Mucosal Immunology, 2017, **@2017** Линк **1.000**

102. Nair, Rohini R., Priyanka Verma, and Kiran Singh. "Immune-endocrine crosstalk during pregnancy." General and comparative endocrinology 242 (2017): 18-23., **@2017** Линк **1.000**

103. Roved J Westerdahl H Hasselquist D. "Sex differences in immune responses: Hormonal effects, antagonistic selection, and evolutionary consequences". Hormones and Behavior, vol. 88 (2017), **@2017** Линк **1.000**

104. Laskarin, G., Gulic, T., Gacanin, L. G., Dominovic, M., Haller, H., & Rukavina, D. (2018). Assessing whether progesterone-matured dendritic cells are responsible for retention of fertilization products in missed abortion. Medical Hypotheses., **@2018** Линк **1.000**

105. Patel, M. V., Shen, Z., Rossoll, R. M., & Wira, C. R. (2018). IL-27 Expression and Responsiveness in Human Uterine Epithelial Cells and Fibroblasts In Vitro and the Role of Estradiol. Journal of Interferon & Cytokine Research, 38(3), 101-110., **@2018** Линк **1.000**

106. Yang, X., Yao, J., Wei, Q., Ye, J., Yin, X., Quan, X., ... & Xing, H. (2018). Role of chemerin/CMKLR1 in the maintenance of early pregnancy. Frontiers of medicine, 1-8, **@2018** Линк **1.000**

107. Cornelius, D.C. The role of sex differences in inflammation and autoimmune diseases (2019) Sex Differences in Cardiovascular Physiology and Pathophysiology, pp. 205-217., **@2019** Линк **1.000**

108. Itsekson, A.M., Yonit, B., Ze'ev, I.-H., Matitiyahu, Z., Shmuel, K. Safety and value of skin test to sex hormones and sex hormone sensitivity desensitization in women with premenstrual syndrome (2019) World Allergy Organization Journal, DOI: 10.1016/j.waojou.2019.100041, **@2019** Линк **1.000**

109. Ma'ayeh, M., Rood, K.M., Walker, H.C., Oliver, E.A., Gee, S.E., Iams, J.D. Vaginal progesterone is associated with decreased group B streptococcus colonisation at term: a retrospective cohort study (2019) BJOG: An International Journal of Obstetrics and Gynaecology, DOI: 10.1111/1471-0528.15801, **@2019** Линк **1.000**

110. Irelli, A., Sirufo, M.M., D'Ugo, C., Ginaldi, L., De Martinis, M. Sex and gender influences on cancer immunotherapy response (2020) Biomedicines, 8 (7), art. no. 232, DOI: 10.3390/BIOMEDICINES8070232, **@2020** Линк **1.000**

111. Werner, L.R., Gibson, K.A., Goodman, M.L., Helm, D.E., Walter, K.R., Holloran, S.M., Trinca, G.M., Hastings, R.C., Yang, H.H., Hu, Y., Wei, J., Lei, G., Yang, X.-Y., Madan, R., Molinolo, A.A., Markiewicz, M.A., Chalise, P., Axelrod, M.L., Balko, J.M., Hunter, K.W., Hartman, Z.C., Lange, C.A., Hagan, C.R. Progesterone promotes immunomodulation and tumor development in the murine mammary gland (2021) Journal for ImmunoTherapy of Cancer, 9 (5), art. no. e001710, **@2021** Линк **1.000**

112. Tibaes, J.R.B., Azarcoya-Barrera, J., Wollin, B., Veida-Silva, H., Makarowski, A., Vine, D., Tsai, S., Jacobs, R., Richard, C. "Sex Differences Distinctly Impact High-Fat Diet-Induced Immune Dysfunction in Wistar Rats". Journal of Nutrition, 152 (5), pp. 1347-1357, 2022, **@2022** Линк **1.000**

113. Zhang, X.-Y., Shen, H.-H., Qin, X.-Y., Wang, C.-J., Hu, W.-T., Liu, S.-P., Wu, J.-N., Xie, F., Xu, F.-Y., Zhao, S.-M., Yuan, Y.-Y., Li, M.-Q. "IL-27 promotes decidualization via the STAT3-ESR/PGR regulatory axis". Journal of Reproductive Immunology, 151, art. no. 103623, 2022, **@2022** Линк **1.000**

6. Kuzmanov, A, **Hayrabedyan, S**, Karaivanov, M, **Todorova, K**. Basal cell subpopulation as putative human prostate carcinoma stem cells. Folia histochemica et cytobiologica, 45, 2, Polish Academy of Sciences, Polish Histochemical and Cytochemical Society, 2007, ISI IF:1.081

Цитира се в:

114. Sun FF, Hu YH, Xiong LP, Tu XY, Zhao JH, Chen SS, Song J, Ye XQ. Enhanced expression of stem cell markers and drug resistance in sphere-forming non-small cell lung cancer cells. International journal of clinical and experimental pathology. 2015;8(6):6287., **@2015** **1.000**

115. Chatterjee, Anupam, and Sanjay Gupta. "The multifaceted role of glutathione S-transferases in cancer." Cancer letters (2018)., **@2018** Линк **1.000**

116. Lee, H., Kim, M., Kim, S.-H., Tran, Q., Kong, G., Kim, C., Kwon, S.H., Park, J., Park, J.B., Park, S., Park, J. Alpha-Methylacyl-CoA Racemase (AMACR), a Potential New Biomarker for Glioblastoma (2020) Frontiers in Oncology, 10, art. no. 550673, DOI: 10.3389/fonc.2020.550673, **@2020** Линк **1.000**

2008

7. Sarafian, V, Uzunova, Y, **Hayrabedyan, S**, Ganchevska, P, Filipova, M, Filipov, I, Lukanov, L, Vladimirov, S. Histo-blood group antigen expression and proliferative activity of fibroblasts treated with dental monomers. Cell biology and toxicology, 24, 1, Springer, 2008, ISSN:0742-2091, DOI:10.1007/s10565-007-9013-2, 27-37

Цитира се в:

117. Alexandrov V, Feodorova Y, Draganov M, Sarafian V, Naimov S. SENSITIVITY OF MCCOY-PLOVDIV CELLS TO G-418 ANTIBIOTIC. Trakia Journal of Sciences. 2016 Mar 1;14(1):47., **@2016** **1.000**

118. Fujioka-Kobayashi, M., Miron, R.J., Lussi, A., Gruber, R., Ilie, N., Price, R.B., Schmalz, G. Effect of the degree of conversion of resin-based composites on cytotoxicity, cell attachment, and gene expression (2019) Dental Materials, DOI: 10.1016/j.dental.2019.05.015, **@2019** Линк **1.000**

2012

8. **Hayrabedyan, S**, **Todorova, K**, **Pashova, S**, Mollova, M, Fernández, N. Sertoli Cell Quiescence–New Insights. American Journal of Reproductive Immunology, 68, 6, Wiley, 2012, DOI:10.1111/j.1600-0897.2012.01137.x, 451-455. ISI IF:3.317

Цитира се в:

119. Ahmed EA, Sfeir A, Takai H, Scherthan H. Ku70 and non-homologous end joining protect testicular cells from DNA damage. J Cell Sci. 2013 Jul 15;126(14):3095-104., **@2013** **1.000**

120. Xiao X, Mruk DD, Tang EI, Wong CK, Lee WM, John CM, Turek PJ, Silvestrini B, Cheng CY. Environmental toxicants perturb human Sertoli cell adhesive function via changes in F-actin organization mediated by actin regulatory proteins. Human Reproduction. 2014 Feb 13:deu011., **@2014** **1.000**

121. Oliveira PF, Martins AD, Moreira AC, Cheng CY, Alves MG. The Warburg effect revisited—lesson from the Sertoli cell. Medicinal research reviews. 2015 Jan 1;35(1):126-51., **@2015** **1.000**

122. Zakhidov ST, Marshak TL. Experimental evidence of proliferation and reproduction of highly differentiated Sertoli cells. Biology Bulletin. 2015 Jul 1;42(4):287-95., **@2015** **1.000**

123. Figueiredo AF, França LR, Hess RA, Costa GM. Sertoli cells are capable of proliferation into adulthood in the transition region between the seminiferous tubules and the rete testis in Wistar rats. Cell Cycle. 2016 Sep 16;15(18):2486-96., **@2016** Линк **1.000**

124. Nistal, Manuel, Pilar González-Peramato, and Álvaro Serrano. "Differential Diagnosis of Sertoli Cell Nodules." In Clues in the Diagnosis of Non-tumoral Testicular Pathology, pp. 67-74. Springer International Publishing, 2017., **@2017** Линк **1.000**

125. Rodríguez, Hector, Hector Jara, Sergio Legua, Danitza Campos, Jorge Morales, and Omar Espinoza-Navarro. "Effects of cypermethrin on cytokeratin 8/18 and androgen receptor expression in the adult mouse Sertoli cell." Revista Internacional de Andrología 15, no. 2 (2017): 51-57., **@2017** Линк **1.000**

126. Lara, N.L.M., Costa, G.M.J., Figueiredo, A.F.A., de França, L.R. The Sertoli cell: What can we learn from different vertebrate models? (2018) Animal Reproduction, 16 (1), pp. 81-92., **@2018** Линк **1.000**

127. Martínez-Hernández, Jesús, et al. "Identification of Proliferative and Apoptotic Sertoli Cells Using Fluorescence and Confocal Microscopy." Sertoli Cells. Humana Press, New York, NY, 2018. 49-60., **@2018** Линк **1.000**

128. Siervo, Gláucia EML, et al. "Sleep restriction during peripuberty unbalances sexual hormones and testicular cytokines in rats." Biology of reproduction (2018)., **@2018** Линк **1.000**

129. Zhang, Li-li, et al. "Interference with lactate metabolism by mmu-miR-320-3p via negatively regulating GLUT3 signaling in mouse Sertoli cells." Cell death & disease 9.10 (2018): 964., **@2018** Линк **1.000**

130. Siervo, G.E.M.L., Ogo, F.M., Staurengo-Ferrari, L., Anselmo-Franci, J.A., Cunha, F.Q., Cecchini, R., Guarnier, F.A., Verri, W.A., Fernandes, G.S.A. Sleep restriction during peripuberty unbalances sexual hormones and testicular cytokines in rats (2019) Biology of Reproduction, DOI: 10.1093/biolre/ioy161, **@2019** Линк **1.000**

131. Jung, H., Lee, G., Kim, J., Lee, J.-W., Yoon, M. Effects of Hemicastration on Testes and Testosterone Concentration in Stallions (2020) Journal of Equine Veterinary Science, 92, art. no. 103166, DOI: 10.1016/j.jevs.2020.103166, PUBMED ID: 32797789, **@2020** Линк **1.000**

132. Sai, L., Li, Y., Zhang, Y., Zhang, J., Qu, B., Guo, Q., Han, M., Jia, Q., Yu, G., Li, K., Bo, C., Zhang, Y., Shao, H., Peng, C. Distinct m6A methylome profiles in poly(A) RNA from Xenopus laevis testis and that treated with atrazine (2020) Chemosphere, 245, art. no. 125631, DOI: 10.1016/j.chemosphere.2019.125631, PUBMED ID: 31877456, **@2020** Линк **1.000**

133. Du, A., Li, L., Jiao, Z., Zhu, G., Peng, T., Li, H. Protein expression pattern of calcium-responsive transactivator in early postnatal and adult testes (2021) Histochemistry and Cell Biology, 155 (4), pp. 491-502, **@2021** Линк **1.000**

134. Narimanpour, Z., Nazm Bojnordi, M., Ghasemi, H. "The effect of silk nanofibrous scaffold and co-culture with sertoli cells on spermatogonial stem cell proliferation". Journal of Babol University of Medical Sciences, 23 (1), pp. 208-214, 2021, **@2021** Линк **1.000**

9. Spencer, PS, Hakam SM, Laissue, PP, Jabeen, A, Jain, P, **Hayrabedyan, S**, **Todorova, K**, Blanch, A, McElhinney, JM, Muhandiram, N, Alkhatib, S. Key cellular components and interactive histocompatibility molecules regulating tolerance to the fetal allograft. American Journal of Reproductive Immunology, 68, 2, Wiley, 2012, DOI:10.1111/j.1600-0897.2012.01138.x, 95-99. ISI IF:3.317

Цитира се в:

135. Segura MS, Blanco DP, Domínguez GD, Abraham CM, del Valle Pérez LO. Comportamiento de las células inmunitarias innatas durante el embarazo. Revista Cubana de Hematología, Inmunología y Hemoterapia. 2015 Sep 15;32(1)., **@2015** **1.000**

136. Suchard M. Immunosenescence: ageing of the immune system: review. SA Pharmaceutical Journal. 2015;82(8):28-31., **@2015** **1.000**

137. Hakam SM. The role of soluble factors affecting the major histocompatibility complex class I molecules In an IN VITRO model of the fetomaternal interface (Doctoral dissertation, University of Essex)., **@2016** Линк **1.000**

138. Sánchez Segura M, Pino Blanco D, Díaz Domínguez G, Macías Abraham C, del Valle Pérez L. Comportamiento de las células asesinas naturales, las dendríticas y los macrófagos, en el embarazo. Revista Cubana de Hematología, Inmunología y Hemoterapia. 2016 Mar;32(1):0-0, **@2016** Линк **1.000**

10. **Vangelov, I**, Dineva, J, **Todorova, K**, **Hayrabedyan, S**, Ivanova, MD. Ovarian Biomarkers in Infertility. Trends in Immunolabelled and Related Techniques, InTech, 2012, ISBN:9789535105701, DOI:10.5772/35912, 32, 101-132

Цитира се в:

139. Wageh, Alaa, et al. “Serum Atrial Natriuretic Peptide Levels among Clomiphene Citrate Resistant Polycystic Ovarian Syndrome Patients.” Middle East Fertility Society Journal. ScienceDirect, 2018, **@2018** Линк **1.000**

11. Kyurkchiev, Stanimir, Gandolfi, Fulvio, **Hayrabedyan, Soren**, Brevini, Tiziana AL, Dimitrov, Roumen, Fitzgerald, Justine S, Jabeen, Asma, **Mourdjeva, Milena**, Photini, Stella M, Spencer, Patrick, Fernández, Nelson, Markert, Udo R. Stem cells in the reproductive system. American Journal of Reproductive Immunology, 67, 6, Wiley Online Library, 2012, ISSN:Online ISSN: 1600-0897, DOI:10.1111/j.1600-0897.2012.01140.x, 445-462. ISI IF:3.317

Цитира се в:

140. Weber, Maja, et al. "HTR8/SVneo cells display trophoblast progenitor cell-like characteristics indicative of self-renewal, repopulation activity, and expression of “stemness-” associated transcription factors." BioMed research international 2013 (2013)., **@2013** **1.000**

141. Martínez Arroyo, Ana María. "Reprogramación directa de células somáticas adultas a células germinales meióticas." (2014)., **@2014** **1.000**

142. Martínez-Arroyo, Ana M., et al. "Germ line development: lessons learned from pluripotent stem cells." Current opinion in genetics & development 28 (2014): 64-70., **@2014** **1.000**

143. Stubblefield, Phillip G. "Stem Cells of the Reproductive System: At a Glance." Stem Cell Therapy for Organ Failure. Springer India, 2014. 235-257., **@2014** **1.000**

144. Akyash F, Tahajjodi SS, Sadeghian-Nodoushan F, Aflatoonian A, Abdoli AM, Nikukar H, Aflatoonian B. Reproductive biology, stem cells biotechnology and regenerative medicine: a 1-day national symposium held at Shahid Sadoughi University of Medical Sciences. International Journal of Reproductive BioMedicine. 2016 Sep;14(9):553., **@2016** Линк **1.000**

145. Gillis-Buck EM. Redefining 'Virgin Birth'After Kaguya: Mammalian Parthenogenesis in Experimental Biology, 2004-2014. Catalyst: Feminism, Theory, Technoscience. 2016 Mar 7;2(1)., **@2016** Линк **1.000**

146. Macedo Pereira J. Molécula HLA-G y su importancia en la inmunorregulación de la unidad feto-materna. Aplicaciones en inmunoterapia celular (Doctoral dissertation, Universidad Complutense de Madrid)., **@2016** Линк **1.000**

147. Kushida, Yoshihiro, Shohei Wakao, and Mari Dezawa. "Muse Cells Are Endogenous Reparative Stem Cells." Muse Cells. Springer, Tokyo, 2018. 43-68., **@2018** Линк **1.000**

148. Identificación de los patrones histológicos y de moléculas extracelulares del oviducto humano para su aplicación en ingeniería tisular, **@2019** Линк **1.000**

2013

12. **Hayrabedyan S.**, **Todorova K.**, **Zasheva D.**, Moyankova D., Georgieva D., Todorova J., Djilianov D.. Haberlea rhodopensis has potential as a new drug source based on its broad biological modalities.. Biotechnology & Biotechnological Equipment, 2013, ISSN:1310-2818, ISI IF:0.379

Цитира се в:

149. Katerina Pardali , Aristidis Moustakas*. Advances in the biology of bone metastasis regulation in lymph node and bone marrow cell line models, favouring higher metastatic phenotype. Comptes rendus de l'Academie bulgare des Sciences. 2015. T.68, N1, pp. 189-195., **@2015** Линк **1.000**

150. Roumiana Todorova & Atanas T. Atanasov. Haberlea rhodopensis: pharmaceutical and medical potential as a food additive. 2015. Natural Product Research: Formerly Natural Product Letters. DOI: 10.1080/14786419.2015.1028058., **@2015** Линк **1.000**

151. Kostadinova A, Doumanov J, Moyankova D, Ivanov S, Mladenova K, Djilianov D, Topouzova-Hristova T. HABERLEA RHODOPENSIS EXTRACTS AFFECT CELL PERIPHERY OF KERATINOCYTES. Comptes rendus de l'Académie bulgare des Sciences. 2016;69(4)., **@2016** **1.000**

152. Todorova R, Atanasov AT. Haberlea rhodopensis: pharmaceutical and medical potential as a food additive. Natural product research. 2016 Mar 3;30(5):507-29., **@2016** **1.000**

153. YN Georgiev, MH Ognyanov, PN Denev. The ancient Thracian endemic plant Haberlea rhodopensis Friv. And related species: A review. Journal of Ethnopharmacology Available online 29 October9, 112359, 2019, **@2019** Линк **1.000**

154. Georgiev, Y.N., Ognyanov, M.H., Denev, P.N. The ancient Thracian endemic plant Haberlea rhodopensis Friv. and related species: A review Journal of Ethnopharmacology 249, 112359, **@2020** Линк **1.000**

155. Amirova, K.M., Dimitrova, P.A., Marchev, A.S., (...), Alipieva, K.I., Georgiev, M.I. Biotechnologically-produced myconoside and calceolarioside E induce Nrf2 expression in neutrophils.International Journal of Molecular Sciences 22(4), 1759, pp. 1-15.2021, **@2021** Линк **1.000**

13. **Todorova K.**, Mincheff M., **Hayrabedyan S.**, Mincheva J., **Zasheva D.**, Kuzmanov A., Fernandez N.. Fundamental role of microRNAs in Androgen-Dependent Male Reproductive Biology and Prostate Cancerogenesis.. American Journal of Reproductive Immunology, 69, 2, 2013, ISSN:1600-0897, 100-104. ISI IF:2.668

Цитира се в:

156. Lin He1, Yuan-Li Wang1, Qing Li1, Hong-Dan Yang, Ze-Lin Duan, Qun Wang. Profiling microRNAs in the testis during sexual maturation stages in Eriocheir sinensis. Animal Reproduction Science. Volume 162, November 2015, Pages 52–61., **@2015** Линк **1.000**

157. Holt JE, Stanger SJ, Nixon B, McLaughlin EA. Non-coding RNA in Spermatogenesis and Epididymal Maturation. InNon-coding RNA and the Reproductive System 2016 (pp. 95-120). Springer Netherlands., **@2016** **1.000**

14. Jabeen, A, Miranda-Sayago, JM, Obara, B, Spencer, PS, Dealtry, GB, **Hayrabedyan, S**, Shaikly, V, Laissue, PP, Fernández, N. Quantified colocalization reveals heterotypic histocompatibility class I antigen associations on trophoblast cell membranes: relevance for human pregnancy. Biology of reproduction, 89, 4, Society for the Study of Reproduction, 2013, DOI:10.1095/biolreprod.113.111963, 94. ISI IF:3.451

Цитира се в:

158. Civetta A. Adaptive evolution at immune system genes and deep pregnancy implantation in primates. Genomics. 2015 Jan 31;105(1):17-22., **@2015** **1.000**

159. Burrows CK, Kosova G, Herman C, Patterson K, Hartmann KE, Edwards DR, Stephenson MD, Lynch VJ, Ober C. Expression Quantitative Trait Locus Mapping Studies in Mid-secretory Phase Endometrial Cells Identifies HLA-F and TAP2 as Fecundability-Associated Genes. PLoS Genet. 2016 Jul 22;12(7):e1005858., **@2016** **1.000**

160. Hakam SM. The role of soluble factors affecting the major histocompatibility complex class I molecules In an IN VITRO model of the fetomaternal interface (Doctoral dissertation, University of Essex)., **@2016** Линк **1.000**

161. Al Ssadh, Hussain, Patrick S. Spencer, Waleed Alabdulmenaim, Rana Alghamdi, Inamul Hasan Madar, Jose M. Miranda-Sayago, and Nelson Fernández. "Measurements of heterotypic associations between cluster of differentiation CD74 and CD44 in human breast cancer-derived cells." Oncotarget 8, no. 54 (2017): 92143., **@2017** Линк **1.000**

162. Thaker, Youg R., Asha Recino, Monika Raab, Asma Jabeen, Maja Wallberg, Nelson Fernandez, and Christopher E. Rudd. "Activated Cdc42-associated kinase 1 (ACK1) binds the sterile α motif (SAM) domain of the adaptor SLP-76 and phosphorylates proximal tyrosines." Journal of Biological Chemistry 292, no. 15 (2017): 6281-6290., **@2017** Линк **1.000**

163. Würfel, F.M., Winterhalter, C., Trenkwalder, P., Wirtz, R.M., Würfel, W. European patent in immunoncology: From immunological principles of implantation to cancer treatment (2019) International Journal of Molecular Sciences, DOI: 10.3390/ijms20081830, **@2019** Линк **1.000**

164. Ajmal, L., Ajmal, S., Ajmal, M., Nawaz, G., Toor, R.H., Younas, H., Sheikh, T.H., Tasadduq, R. "HLA System and its Participation in Recurrent Pregnancy Loss". Pakistan Journal of Zoology, 54 (4), pp. 1905-1916, 2022, **@2022** Линк **1.000**

165. Nilsson, L.L., Hviid, T.V.F. "HLA Class Ib-receptor interactions during embryo implantation and early pregnancy". Human Reproduction Update, 28 (3), pp. 435-454, 2022, **@2022** Линк **1.000**

2014

15. Barnea, ER, Lubman, DM, Liu, YH, Absalon-Medina, V, **Hayrabedyan, S**, **Todorova, K**, Gilbert, RO, Guingab, J, Barder, TJ. Insight into PreImplantation factor (PIF*) mechanism for embryo protection and development: target oxidative stress and protein misfolding (PDI and HSP) through essential RIPK binding site.. PLOS One, 9, 10, PLOS, 2014, DOI:10.1371/journal.pone.0100263, ISI IF:3.534

Цитира се в:

166. Allahbadia GN. Intralipid Infusion is the Current Favorite of Gynecologists for Immunotherapy. The Journal of Obstetrics and Gynecology of India. 2015 Jul 1;4(65):213-7., **@2015** **1.000**

167. Hernández DA, Barrientos-Morales M, Cervantes AP, Hernández BA, Domínguez MB, Absalón-Medina VA. Antioxidant Effects of Seminal Plasma on Cellular Morphological Viability of Swine Semen Post-Cryopreservation. Journal of Veterinary Science & Technology. 2015 May 4;2015., **@2015** **1.000**

168. Wydooghe E, Vandaele L, Heras S, De Sutter P, Deforce D, Peelman L, De Schauwer C, Van Soom A. Autocrine embryotropins revisited: how do embryos communicate with each other in vitro when cultured in groups?. Biological Reviews. 2015 Nov 1., **@2015** **1.000**

169. Barnea ER, Vialard F, Moindjie H, Ornaghi S, Dieudonne MN, Paidas MJ. PreImplantation Factor (PIF*) endogenously prevents preeclampsia: Promotes trophoblast invasion and reduces oxidative stress. Journal of reproductive immunology. 2016 Apr 30;114:58-64., **@2016** **1.000**

170. Hakam SM. The role of soluble factors affecting the major histocompatibility complex class I molecules In an IN VITRO model of the fetomaternal interface (Doctoral dissertation, University of Essex)., **@2016** Линк **1.000**

171. Klein C. Maternal Recognition of Pregnancy in the Context of Equine Embryo Transfer. Journal of Equine Veterinary Science. 2016 Jun 30;41:22-8., **@2016** **1.000**

172. Moindjie H, Dos Santos E, Gouesse RJ, Swierkowski-Blanchard N, Serazin V, Barnea ER, Vialard F, Dieudonné MN. Preimplantation factor is an anti-apoptotic effector in human trophoblasts involving p53 signaling pathway. Cell Death & Disease. 2016 Dec 1;7(12):e2504., **@2016** **1.000**

173. Shainer R, Almogi-Hazan O, Berger A, Hinden L, Mueller M, Brodie C, Simillion C, Paidas M, Barnea ER, Or R. PreImplantation factor (PIF) therapy provides comprehensive protection against radiation induced pathologies. immunity. 2016 Jul 16;2:4-7., **@2016** **1.000**

174. Balyura, Mariya, Evgeny Gelfgat, Enrico Ullmann, Barbara Ludwig, Eytan R. Barnea, and Stefan R. Bornstein. "PreImplantation Factor (PIF*) Regulates Stress-Induced Adrenal Steroidogenesis and Anti-Inflammatory Cytokines: Potential Application for Bioartificial Adrenal Transplant." Hormone and Metabolic Research (2017)., **@2017** Линк **1.000**

175. Di Simone, Nicoletta, Fiorella Di Nicuolo, Riccardo Marana, Roberta Castellani, Francesco Ria, Manuela Veglia, Giovanni Scambia, Daniel Surbek, Eytan Barnea, and Martin Mueller. "Synthetic PreImplantation Factor (PIF) prevents fetal loss by modulating LPS induced inflammatory response." PloS one 12, no. 7 (2017): e0180642., **@2017** Линк **1.000**

176. Migliara, Giuseppe, Martin Mueller, Alessia Piermattei, Chaya Brodie, Michael J. Paidas, Eytan R. Barnea, and Francesco Ria. "PIF* promotes brain re-myelination locally while regulating systemic inflammation-clinically relevant multiple sclerosis M. smegmatis model." Oncotarget 8, no. 13 (2017): 21834., **@2017** Линк **1.000**

177. Wydooghe, Eline, Leen Vandaele, Sonia Heras, Petra De Sutter, Dieter Deforce, Luc Peelman, Catharina De Schauwer, and Ann Van Soom. "Autocrine embryotropins revisited: how do embryos communicate with each other in vitro when cultured in groups?." Biological Reviews 92, no. 1 (2017): 505-520., **@2017** Линк **1.000**

178. Makri, A., Siristatidis, C., Chrelias, C., Christodoulaki, C., Evangelinakis, N., Kassanos, D., Giamarellos-Bourboulis, E.J., Pistiki, A. Early changes of the heat-shock protein 60 to 70 ratio as prediction of miscarriage in pregnancy (2019) American Journal of Reproductive Immunology, DOI: 10.1111/aji.13087, **@2019** Линк **1.000**

179. Al-Nasiry, S., Ambrosino, E., Schlaepfer, M., Morré, S.A., Wieten, L., Voncken, J.W., Spinelli, M., Mueller, M., Kramer, B.W. The Interplay Between Reproductive Tract Microbiota and Immunological System in Human Reproduction (2020) Frontiers in Immunology, 11, art. no. 378, DOI: 10.3389/fimmu.2020.00378, PUBMED ID: 32231664, **@2020** Линк **1.000**

180. Halliday, N., Dyson, J.K., Thorburn, D., Lohse, A.W., Heneghan, M.A. Review article: experimental therapies in autoimmune hepatitis (2020) Alimentary Pharmacology and Therapeutics, 52 (7), pp. 1134-1149. DOI: 10.1111/apt.16035, PUBMED ID: 32794592, **@2020** Линк **1.000**

181. Mack, C.L., Adams, D., Assis, D.N., Kerkar, N., Manns, M.P., Mayo, M.J., Vierling, J.M., Alsawas, M., Murad, M.H., Czaja, A.J. Diagnosis and Management of Autoimmune Hepatitis in Adults and Children: 2019 Practice Guidance and Guidelines From the American Association for the Study of Liver Diseases (2020) Hepatology, 72 (2), pp. 671-722. DOI: 10.1002/hep.31065, PUBMED ID: 31863477, **@2020** Линк **1.000**

182. Neykova, K., Tosto, V., Giardina, I., Tsibizova, V., Vakrilov, G. Endometrial receptivity and pregnancy outcome (2020) Journal of Maternal-Fetal and Neonatal Medicine, DOI: 10.1080/14767058.2020.1787977, PUBMED ID: 32744104, **@2020** Линк **1.000**

183. Zare, F., Seifati, S.M., Dehghan-Manshadi, M., Fesahat, F. Preimplantation factor (PIF): A peptide with various functions (2020) Jornal Brasileiro de Reproducao Assistida, 24 (2), pp. 214-218. DOI: 10.5935/1518-0557.20190082, PUBMED ID: 32202400, **@2020** Линк **1.000**

184. Neykova, K., Tosto, V., Giardina, I., Tsibizova, V., Vakrilov, G. "Endometrial receptivity and pregnancy outcome". Journal of Maternal-Fetal and Neonatal Medicine, 35 (13), pp. 2591-2605, 2022, **@2022** Линк **1.000**

2015

16. **Kistanova, E**, **Chervenkov, M**, Shunkov, K, Peshev, R, **Todorova, K**, **Hayrabedyan, S**, **Abadjieva, D**, Shimkus, A, Shimkiene, A. Immunostimulatory Properties of Spirulina platensis against Rabbit Haemorrhagic Disease Virus. Pak Vet J, 35, 3, 2015, ISSN:0253-8318, 379-381. SJR:0.443, ISI IF:1.392

Цитира се в:

185. Abbas A., Iqbal Z., Abbas R.Z., Khan M.K., Khan J.A. Immunomodulatory effects of Beta vulgaris extract against experimentally induced Coccidiosis in broiler chickens. Pak. J. Pharm. Sci., 2016, **@2016** Линк **1.000**

186. Andreeva, M., Anev, G., Taushanova, P., Georgiev, B., Stefanov, R. Influence of salt supplementation–salt exclusion diet on estrus induction in north-east Bulgarian merino sheep. Proceeding: Tradition and modernity in veterinary medicine, 2017, 2(3):23–26., **@2017** Линк **1.000**

17. Barnea, ER, Kirk, D, **Todorova, K**, McElhinney, J, **Hayrabedyan, S**, Fernández, N. PIF direct immune regulation: Blocks mitogen-activated PBMCs proliferation, promotes TH2/TH1 bias, independent of Ca(2+). Immunobiology, 220, 7, Elsevier GmbH, 2015, DOI:10.1016/j.imbio.2015.01.010, 865-875. ISI IF:3.044

Цитира се в:

187. Allahbadia GN. Intralipid Infusion is the Current Favorite of Gynecologists for Immunotherapy. The Journal of Obstetrics and Gynecology of India. 2015 Jul 1;4(65):213-7., **@2015** Линк **1.000**

188. Barnea ER, Vialard F, Moindjie H, Ornaghi S, Dieudonne MN, Paidas MJ. PreImplantation Factor (PIF*) endogenously prevents preeclampsia: Promotes trophoblast invasion and reduces oxidative stress. Journal of reproductive immunology. 2016 Apr 30;114:58-64., **@2016** **1.000**

189. Hakam SM. The role of soluble factors affecting the major histocompatibility complex class I molecules In an IN VITRO model of the fetomaternal interface (Doctoral dissertation, University of Essex)., **@2016** Линк **1.000**

190. Moindjie H, Dos Santos E, Gouesse RJ, Swierkowski-Blanchard N, Serazin V, Barnea ER, Vialard F, Dieudonné MN. Preimplantation factor is an anti-apoptotic effector in human trophoblasts involving p53 signaling pathway. Cell Death & Disease. 2016 Dec 1;7(12):e2504., **@2016** **1.000**

191. Shainer R, Almogi-Hazan O, Berger A, Hinden L, Mueller M, Brodie C, Simillion C, Paidas M, Barnea ER, Or R. PreImplantation factor (PIF) therapy provides comprehensive protection against radiation induced pathologies. immunity. 2016 Jul 16;2:4-7., **@2016** **1.000**

192. Абламуниц ВГ. Механизмы толерантности матери к плоду: уроки молекулярной дипломатии. Problemy Reproduktsii. 2016 Mar 1;22(2)., **@2016** Линк **1.000**

193. Balyura, Mariya, Evgeny Gelfgat, Enrico Ullmann, Barbara Ludwig, Eytan R. Barnea, and Stefan R. Bornstein. "PreImplantation Factor (PIF*) Regulates Stress-Induced Adrenal Steroidogenesis and Anti-Inflammatory Cytokines: Potential Application for Bioartificial Adrenal Transplant." Hormone and Metabolic Research (2017)., **@2017** Линк **1.000**

194. Migliara, Giuseppe, Martin Mueller, Alessia Piermattei, Chaya Brodie, Michael J. Paidas, Eytan R. Barnea, and Francesco Ria. "PIF* promotes brain re-myelination locally while regulating systemic inflammation-clinically relevant multiple sclerosis M. smegmatis model." Oncotarget 8, no. 13 (2017): 21834., **@2017** Линк **1.000**

195. Allahbadia, Gautam N. "Gautam N. Allahbadia Gautam N Allahbadia is the Editor-in-chief of the Journal of Obstetrics & Gynecology of India as well as the IVF Lite (Journal of Minimal Stimulation IVF) and Medical Director at Rotunda-The Center For Human Reproduction, Mumbai, India & New Hope IVF, Sharjah, UAE. Gautam N. Allahbadia ivfwaladoc@ gmail. com Rotunda-The Center For Human Reproduction, Mumbai, India.", **@2018** **1.000**

196. Allahbadia, Gautam N. "Intralipid Infusion is the Current Favorite of Gynecologists for Immunotherapy." (2015): 213-217., **@2018** Линк **1.000**

197. Hakam, Soukaina Miya. The role of soluble factors affecting the major histocompatibility complex class I molecules In an IN VITRO model of the fetomaternal interface. Diss. University of Essex, 2016., **@2018** Линк **1.000**

198. Migliara, G., Mueller, M., Piermattei, A., Brodie, C., Paidas, M. J., Barnea, E. R., & Ria, F. (2017). PIF* promotes brain re-myelination locally while regulating systemic inflammation-clinically relevant multiple sclerosis M. smegmatis model. Oncotarget, 8(13), 21834., **@2018** Линк **1.000**

199. Shainer, R., Almogi-Hazan, O., Berger, A., Hinden, L., Mueller, M., Brodie, C., ... & Or, R. (2016). PreImplantation factor (PIF) therapy provides comprehensive protection against radiation induced pathologies. Oncotarget, 7(37), 58975., **@2018** Линк **1.000**

200. Абламуниц, В. Г. "Механизмы толерантности матери к плоду: уроки молекулярной дипломатии." Проблемы репродукции 22.2 (2016): 8-16., **@2018** Линк **1.000**

201. Dyson, J.K., De Martin, E., Dalekos, G.N., Drenth, J.P.H., Herkel, J., Hubscher, S.G., Kelly, D., Lenzi, M., Milkiewicz, P., Oo, Y.H., Heneghan, M.A., Lohse, A.W., the IAIHG Consortium Review article: unanswered clinical and research questions in autoimmune hepatitis-conclusions of the International Autoimmune Hepatitis Group Research Workshop (2019) Alimentary Pharmacology and Therapeutics, DOI: 10.1111/apt.15111, **@2019** Линк **1.000**

202. Makri, A., Siristatidis, C., Chrelias, C., Christodoulaki, C., Evangelinakis, N., Kassanos, D., Giamarellos-Bourboulis, E.J., Pistiki, A. Early changes of the heat-shock protein 60 to 70 ratio as prediction of miscarriage in pregnancy (2019) American Journal of Reproductive Immunology, DOI: 10.1111/aji.13087, **@2019** Линк **1.000**

203. Al-Nasiry, S., Ambrosino, E., Schlaepfer, M., Morré, S.A., Wieten, L., Voncken, J.W., Spinelli, M., Mueller, M., Kramer, B.W. The Interplay Between Reproductive Tract Microbiota and Immunological System in Human Reproduction (2020) Frontiers in Immunology, 11, art. no. 378, DOI: 10.3389/fimmu.2020.00378, PUBMED ID: 32231664, **@2020** Линк **1.000**

204. Halliday, N., Dyson, J.K., Thorburn, D., Lohse, A.W., Heneghan, M.A. Review article: experimental therapies in autoimmune hepatitis (2020) Alimentary Pharmacology and Therapeutics, 52 (7), pp. 1134-1149. DOI: 10.1111/apt.16035, PUBMED ID: 32794592, **@2020** Линк **1.000**

205. Wonfor, R.E., Creevey, C.J., Natoli, M., Hegarty, M., Nash, D.M., Rose, M.T. Interaction of preimplantation factor with the global bovine endometrial transcriptome (2020) PLoS ONE, 15 (12 December), art. no. e0242874, DOI: 10.1371/journal.pone.0242874, PUBMED ID: 33284816, **@2020** Линк **1.000**

18. **Todorova, K**, **Hayrabedyan, S**. Mir-15A Reconstitution in Prostate Cancer Cell Line Suppresses Cancer Progression Through Down Regulation of MYB and Androgen Receptor Upregulation. Acta Medica Bulgarica, 42, 1, De Gruyter, Berlin, 2015, ISSN:0324-1750, DOI:http://dx.doi.org/10.1515/amb-2015-0003, 18-22

Цитира се в:

206. Razdan, Anshuli, Paul de Souza, and Tara L. Roberts. "Role of MicroRNAs in Treatment Response in Prostate Cancer." Current cancer drug targets 18.10 (2018): 929-944., **@2018** Линк **1.000**

19. **Hayrabedyan, S**, **Zasheva, D**, **Todorova, K**. NLRs Challenge Impacts Tight Junction Claudins In Sertoli Cells. Folia Medica, 57, 1, De Gruyter, Berlin, 2015, ISSN:1314-2143, DOI:http://dx.doi.org/10.1515/folmed-2015-0018, 43-48. SJR:0.172

Цитира се в:

207. Walenta, L., Schmid, N., Ullrich Schwarzer, J., Köhn, F.-M., Urbanski, H.F., Behr, R., Strauss, L., Poutanen, M., Mayerhofer, A. NLRP3 in somatic non-immune cells of rodent and primate testes. Reproduction, 156 (3), pp. 231-238, 2018, **@2018** Линк **1.000**

208. Mu, Y., Yin, T.-L., Zhang, Y., Yang, J., Wu, Y.-T. Diet-induced obesity impairs spermatogenesis: the critical role of NLRP3 in Sertoli cells Inflammation and Regeneration, 42 (1), art. no. 24, 2022, **@2022** Линк **1.000**

2016

20. Piermattei, A, Migliara, G, Di Sante, G, Foti, M, **Hayrabedyan, S**, Papagna, A, Geloso, M, Corbi, M, Valentini, M, Sgambato, A, Delogu, G, Constantin, G, Ria, F. Toll-Like Receptor 2 Mediates In Vivo Pro- and Anti-inflammatory Effects of Mycobacterium Tuberculosis and Modulates Autoimmune Encephalomyelitis. Frontiers in Immunology, 7, 191, Frontiers, 2016, DOI:10.3389/fimmu.2016.00191, ISI IF:5.695

Цитира се в:

209. Gao Q, Xiao Y, Zhang C, Min M, Peng S, Shi Z. Molecular characterization and expression analysis of toll-like receptor 2 in response to bacteria in silvery pomfret intestinal epithelial cells. Fish & Shellfish Immunology. 2016 Nov 30;58:1-9., **@2016** **1.000**

210. Zhao, Zhanqin, Yun Xue, Zhigang Hu, Feng Zhou, Beibei Ma, Ta Long, Qiao Xue, and Huisheng Liu. "Toll-like receptor 2 gene polymorphisms in Chinese Holstein cattle and their associations with bovine tuberculosis." Veterinary Immunology and Immunopathology 186 (2017): 51-54., **@2017** Линк **1.000**

211. Hu, W., Yang, S., Shimada, Y., Münch, M., Marín-Juez, R., Meijer, A.H., Spaink, H.P. Infection and RNA-seq analysis of a zebrafish tlr2 mutant shows a broad function of this toll-like receptor in transcriptional and metabolic control and defense to Mycobacterium marinum infection (2019) BMC Genomics, DOI: 10.1186/s12864-019-6265-1, **@2019** Линк **1.000**

212. Zhou, K.-L., Li, X., Zhang, X.-L., Pan, Q. Mycobacterial mannose-capped lipoarabinomannan: a modulator bridging innate and adaptive immunity (2019) Emerging Microbes and Infections, DOI: 10.1080/22221751.2019.1649097, **@2019** Линк **1.000**

213. Zheng, C., Chen, J., Chu, F., Zhu, J., Jin, T. Inflammatory Role of TLR-MyD88 Signaling in Multiple Sclerosis (2020) Frontiers in Molecular Neuroscience, 12, art. no. 314, DOI: 10.3389/fnmol.2019.00314, **@2020** Линк **1.000**

214. Camponeschi, C., De Carluccio, M., Amadio, S., Clementi, M.E., Sampaolese, B., Volonté, C., Tredicine, M., Spica, V.R., Di Liddo, R., Ria, F., Michetti, F., Di Sante, G. "S100B protein as a therapeutic target in multiple sclerosis: The S100B inhibitor arundic acid protects from chronic experimental autoimmune encephalomyelitis". International Journal of Molecular Sciences, 22 (24), art. no. 13558, 2021, **@2021** Линк **1.000**

215. Di Sante, G., Gremese, E., Tolusso, B., Cattani, P., Di Mario, C., Marchetti, S., Alivernini, S., Tredicine, M., Petricca, L., Palucci, I., Camponeschi, C., Aragon, V., Gambotto, A., Ria, F., Ferraccioli, G. "Haemophilus parasuis (Glaesserella parasuis) as a Potential Driver of Molecular Mimicry and Inflammation in Rheumatoid Arthritis". Frontiers in Medicine, 8, art. no. 671018, 2021, **@2021** Линк **1.000**

216. Marchese, E., Valentini, M., Di Sante, G., Cesari, E., Adinolfi, A., Corvino, V., Ria, F., Sette, C., Geloso, M.C. "Alternative splicing of neurexins 1–3 is modulated by neuroinflammation in the prefrontal cortex of a murine model of multiple sclerosis". Experimental Neurology, 335, art. no. 113497, 2021, **@2021** Линк **1.000**

217. Hu, W., Spaink, H.P. "The Role of TLR2 in Infectious Diseases Caused by Mycobacteria: From Cell Biology to Therapeutic Target". Biology, 11 (2), art. no. 246, 2022, **@2022** Линк **1.000**

218. Miyauchi, E., Shimokawa, C., Steimle, A., Desai, M.S., Ohno, H. "The impact of the gut microbiome on extra-intestinal autoimmune diseases". Nature Reviews Immunology, 2022, **@2022** Линк **1.000**

219. Qiao, W., Fan, J., Shang, X., Wang, L., Tuohetaerbaike, B., Li, Y., Zhang, L., Huo, Y., Wang, J., Ma, X. "Bioinformation Analysis Reveals IFIT1 as Potential Biomarkers in Central Nervous System Tuberculosis". Infection and Drug Resistance, 15, pp. 35-45, 2022, **@2022** Линк **1.000**

21. Chen, Y, Rivera, J, Fitzgerald, M, Hausding, C, Ying, Y, Wang, X, **Todorova, K**, **Hayrabedyan, S**, Barnea, E, Karlheinz, P. PreImplantation factor prevents atherosclerosis via its immunomodulatory effects without affecting serum lipids. Thrombosis and Haemostasis, 111, 5, Schattauer Publishers, Stuttgart, 2016, ISSN:0340-6245, DOI:10.1160/TH15-08-0640, 871-1079. ISI IF:5.255

Цитира се в:

220. Shainer R, Almogi-Hazan O, Berger A, Hinden L, Mueller M, Brodie C, Simillion C, Paidas M, Barnea ER, Or R. PreImplantation factor (PIF) therapy provides comprehensive protection against radiation induced pathologies. Immunity. 2016 Jul 16;2:4-7., **@2016** **1.000**

221. Calix, R.X., Ornaghi, S., Wilson, J.H., Fernandez, N., Vialard, F., Barnea, E.R., Paidas, M.J. Preimplantation factor and endocrinology of implantation and establishment of early pregnancy: A contemporary view (2017) Pediatric Endocrinology Reviews, 15 (2), pp. 147-158, **@2017** Линк **1.000**

222. Di Simone, Nicoletta, Fiorella Di Nicuolo, Riccardo Marana, Roberta Castellani, Francesco Ria, Manuela Veglia, Giovanni Scambia, Daniel Surbek, Eytan Barnea, and Martin Mueller. "Synthetic PreImplantation Factor (PIF) prevents fetal loss by modulating LPS induced inflammatory response." PloS one 12, no. 7 (2017): e0180642., **@2017** Линк **1.000**

223. Feichtinger, Michael, Eytan R. Barnea, Atunga Nyachieo, Mats Brännström, and S. Samuel Kim. "Allogeneic ovarian transplantation using immunomodulator preimplantation factor (PIF) as monotherapy restored ovarian function in olive baboon." Journal of assisted reproduction and genetics (2017): 1-9., **@2017** Линк **1.000**

224. Jin, Feng, Kai Wang, Xiaochuan Sun, Zhanpu Zhang, and Ping Han. "Gene expression analysis: Regulation of key genes associated with mycophenolate mofetil treatment of symptomatic carotid artery stenosis." Molecular medicine reports 16, no. 5 (2017): 7450-7458., **@2017** Линк **1.000**

225. Migliara, Giuseppe, Martin Mueller, Alessia Piermattei, Chaya Brodie, Michael J. Paidas, Eytan R. Barnea, and Francesco Ria. "PIF* promotes brain re-myelination locally while regulating systemic inflammation-clinically relevant multiple sclerosis M. smegmatis model." Oncotarget 8, no. 13 (2017): 21834., **@2017** Линк **1.000**

226. Piras, Ignazio S., Gabrielle Mills, Lorida Llaci, Marcus Naymik, Keri Ramsey, Newell Belnap, Chris D. Balak et al. "Exploring genome-wide DNA methylation patterns in Aicardi syndrome." Epigenomics 9, no. 11 (2017): 1373-1386., **@2017** Линк **1.000**

227. Sbracia, Marco, Brett McKinnon, Fabio Scarpellini, Daniela Marconi, Gabriele Rossi, Cedric Simmilion, Michael D. Mueller, Eytan R. Barnea, and Martin Mueller. "PreImplantation Factor in endometriosis: A potential role in inducing immune privilege for ectopic endometrium." PloS one 12, no. 9 (2017): e0184399., **@2017** Линк **1.000**

228. Dyson, J.K., De Martin, E., Dalekos, G.N., Drenth, J.P.H., Herkel, J., Hubscher, S.G., Kelly, D., Lenzi, M., Milkiewicz, P., Oo, Y.H., Heneghan, M.A., Lohse, A.W., the IAIHG Consortium Review article: unanswered clinical and research questions in autoimmune hepatitis-conclusions of the International Autoimmune Hepatitis Group Research Workshop (2019) Alimentary Pharmacology and Therapeutics, 49 (5), pp. 528-536. DOI: 10.1111/apt.15111 PUBMED ID: 30671977, **@2019** Линк **1.000**

229. Morgoulis, D., Berenstein, P., Cazacu, S., Kazimirsky, G., Dori, A., Barnea, E.R., Brodie, C. sPIF promotes myoblast differentiation and utrophin expression while inhibiting fibrosis in Duchenne muscular dystrophy via the H19/miR-675/let-7 and miR-21 pathways (2019) Cell Death and Disease, 10 (2), art. no. 82, **@2019** Линк **1.000**

230. Halliday, N., Dyson, J.K., Thorburn, D., Lohse, A.W., Heneghan, M.A. Review article: experimental therapies in autoimmune hepatitis (2020) Alimentary Pharmacology and Therapeutics, 52 (7), pp. 1134-1149. DOI: 10.1111/apt.16035, PUBMED ID: 32794592, **@2020** Линк **1.000**

231. Raspollini, M.R., Montagnani, I., Cirri, P., Baroni, G., Cimadamore, A., Scarpelli, M., Cheng, L., Lopez-Beltran, A., Montironi, R., Barnea, E.R. PreImplantation Factor immunohistochemical expression correlates with prostate cancer aggressiveness (2020) International Journal of Biological Markers, 35 (2), pp. 82-90, **@2020** Линк **1.000**

232. Spinelli, M., Boucard, C., Nicuolo, F.D., Haesler, V., Castellani, R., Pontecorvi, A., Scambia, G., Granieri, C., Barnea, E.R., Surbek, D., Mueller, M., Simone, N.D. Synthetic PreImplantation Factor (sPIF) reduces inflammation and prevents preterm birth (2020) PLoS ONE, 15 (6), art. no. e0232493, **@2020** Линк **1.000**

233. Zare, F., Seifati, S.M., Dehghan-Manshadi, M., Fesahat, F. Preimplantation factor (PIF): A peptide with various functions (2020) Jornal Brasileiro de Reproducao Assistida, 24 (2), pp. 214-218. DOI: 10.5935/1518-0557.20190082, PUBMED ID: 32202400, **@2020** Линк **1.000**

22. Barnea, E, **Hayrabedyan, S**, **Todorova, K**, Almogi-Hazan, O, Or, R, Guingab, J, McElhinney, J, Fernandez, N, Barder, T. PreImplantation factor (PIF) regulates systemic immunity and targets protective regulatory and cytoskeleton proteins. Immunobiology, 221, 7, Elsevier, 2016, ISSN:0171-2985, DOI:10.1016/j.imbio.2016.02.004, 778-793. ISI IF:3

Цитира се в:

234. Shainer R, Almogi-Hazan O, Berger A, Hinden L, Mueller M, Brodie C, Simillion C, Paidas M, Barnea ER, Or R. PreImplantation factor (PIF) therapy provides comprehensive protection against radiation induced pathologies. Immunity. 2016 Jul 16;2:4-7., **@2016** **1.000**

235. Balyura, Mariya, Evgeny Gelfgat, Enrico Ullmann, Barbara Ludwig, Eytan R. Barnea, and Stefan R. Bornstein. "PreImplantation Factor (PIF*) Regulates Stress-Induced Adrenal Steroidogenesis and Anti-Inflammatory Cytokines: Potential Application for Bioartificial Adrenal Transplant." Hormone and Metabolic Research (2017)., **@2017** Линк **1.000**

236. Feichtinger, Michael, Eytan R. Barnea, Atunga Nyachieo, Mats Brännström, and S. Samuel Kim. "Allogeneic ovarian transplantation using immunomodulator preimplantation factor (PIF) as monotherapy restored ovarian function in olive baboon." Journal of assisted reproduction and genetics (2017): 1-9., **@2017** Линк **1.000**

237. Migliara, Giuseppe, Martin Mueller, Alessia Piermattei, Chaya Brodie, Michael J. Paidas, Eytan R. Barnea, and Francesco Ria. "PIF* promotes brain re-myelination locally while regulating systemic inflammation-clinically relevant multiple sclerosis M. smegmatis model." Oncotarget 8, no. 13 (2017): 21834., **@2017** Линк **1.000**

238. Roberts, Stuart K., and William Kemp. "Salvage Therapies for Autoimmune Hepatitis: A Critical Review." In Seminars in liver disease, vol. 37, no. 04, pp. 343-362. Thieme Medical Publishers, 2017., **@2017** Линк **1.000**

239. Sbracia, Marco, Brett McKinnon, Fabio Scarpellini, Daniela Marconi, Gabriele Rossi, Cedric Simmilion, Michael D. Mueller, Eytan R. Barnea, and Martin Mueller. "PreImplantation Factor in endometriosis: A potential role in inducing immune privilege for ectopic endometrium." PloS one 12, no. 9 (2017): e0184399., **@2017** Линк **1.000**

240. Wonfor, Ruth E., Manuela Natoli, Michael T. Rose, and Deborah M. Nash. "Effects of preimplantation factor on interleukin-6 and prostaglandin F2α and E2 in the bovine endometrium." Theriogenology 102 (2017): 174-182., **@2017** Линк **1.000**

241. Stepanova, O. I., et al. "THE ROLE OF SUBPOPULATIONS OF CD8+ T LYMPHOCYTES IN THE DEVELOPMENT OF PREGNANCY." Immunology (Russia) 20.5 (2018): 621-638., **@2018** Линк **1.000**

242. Степанова, О. И., et al. "РОЛЬ РАЗЛИЧНЫХ СУБПОПУЛЯЦИЙ CD8+ Т-ЛИМФОЦИТОВ ПРИ БЕРЕМЕННОСТИ." Медицинская иммунология 20.5 (2018): 621-638., **@2018** Линк **1.000**

243. Sadigh, A.R., Mihanfar, A., Fattahi, A., Latifi, Z., Akbarzadeh, M., Hajipour, H., Bahrami-asl, Z., Ghasemzadeh, A., Hamdi, K., Nejabati, H.R., Nouri, M., S100 protein family and embryo implantation (2019) Journal of Cellular Biochemistry, 120 (12), pp. 19229-19244. DOI: 10.1002/jcb.29261 PUBMED ID: 31270848, **@2019** Линк **1.000**

244. Wonfor, R.E., Creevey, C.J., Natoli, M., Hegarty, M., Nash, D.M., Rose, M.T. Interaction of preimplantation factor with the global bovine endometrial transcriptome (2020) PLoS ONE, 15 (12 December), art. no. e0242874, DOI: 10.1371/journal.pone.0242874, PUBMED ID: 33284816, **@2020** Линк **1.000**

245. Zare, F., Seifati, S.M., Dehghan-Manshadi, M., Fesahat, F. Preimplantation factor (PIF): A peptide with various functions (2020) Jornal Brasileiro de Reproducao Assistida, 24 (2), pp. 214-218. DOI: 10.5935/1518-0557.20190082, PUBMED ID: 32202400, **@2020** Линк **1.000**

23. **Hayrabedyan, S**, **Todorova, K**, Jabeen, A, Metodieva, G, Toshkov, S, Metodiev, M, Mincheff, M, Fernández, N. Sertoli cells have a functional NALP3 inflammasome that can modulate autophagy and cytokine production. Scientific Reports, 6, 18896, Nature Publishing Group, 2016, DOI:10.1038/srep18896, 1-17. ISI IF:5.578

Цитира се в:

246. Guo, Mengjiao, Fahao Wu, Zhongfang Zhang, Guangen Hao, Rong Li, Ning Li, Yingli Shang, Liangmeng Wei, and Tongjie Chai. "characterization of rabbit nucleotide-Binding Oligomerization Domain 1 (nOD1) and the role of nOD1 signaling Pathway during Bacterial infection." Frontiers in immunology 8 (2017): 1278., **@2017** Линк **1.000**

247. Bryan, E. R. (2018). Chronic Chlamyida infections in males: Impacts on testicular function and spermatogenesis (Doctoral dissertation, Queensland University of Technology)., **@2018** Линк **1.000**

248. Sun, Chunhui, et al. "Purple sweet potato color attenuated NLRP3 inflammasome by inducing autophagy to delay endothelial senescence." Journal of cellular physiology (2018)., **@2018** Линк **1.000**

249. Theas, María Susana. "Germ cell apoptosis and survival in testicular inflammation." Andrologia 50.11 (2018): e13083., **@2018** Линк **1.000**

250. Walenta, L. (2018). Mechanisms of sterile inflammation in the testis (Doctoral dissertation, lmu)., **@2018** Линк **1.000**

251. Walenta, Lena, et al. "NLRP3 in somatic non-immune cells of rodent and primate testes." Reproduction 156.3 (2018): 231-238., **@2018** Линк **1.000**

252. Younis, Nuha A., et al. "RESEARCH ARTICLE Association of Seminal Plasma Level of NLRP3 Inflammasome Protein with Quality of Seminal Fluid Parameters Among In-fertile Men." (2018)., **@2018** Линк **1.000**

253. Zhou, Yu, et al. "Bioinformatic Identification of Key Genes and Molecular Pathways in the Spermatogenic Process of Cryptorchidism." Genes & Diseases (2018)., **@2018** Линк **1.000**

254. Li, Y., Su, Y., Zhou, T., Hu, Z., Wei, J., Wang, W., Liu, C., Zhang, H., Zhao, K. Activation of the NLRP3 inflammasome pathway by prokineticin 2 in testicular macrophages of uropathogenic Escherichia coli-induced orchitis (2019) Frontiers in Immunology, DOI: 10.3389/fimmu.2019.01872, **@2019** Линк **1.000**

255. Matzkin, M.E., Valchi, P., Riviere, E., Rossi, S.P., Tavalieri, Y.E., Muñoz de Toro, M.M., Mayerhofer, A., Bartke, A., Calandra, R.S., Frungieri, M.B. Aging in the Syrian hamster testis: Inflammatory-oxidative status and the impact of photoperiod (2019) Experimental Gerontology, DOI: 10.1016/j.exger.2019.110649, **@2019** Линк **1.000**

256. Meroni, S.B., Galardo, M.N., Rindone, G., Gorga, A., Riera, M.F., Cigorraga, S.B. Molecular mechanisms and signaling pathways involved in Sertoli cell proliferation (2019) Frontiers in Endocrinology, DOI: 10.3389/fendo.2019.00224, **@2019** Линк **1.000**

257. Sun, C., Diao, Q., Lu, J., Zhang, Z., Wu, D., Wang, X., Xie, J., Zheng, G., Shan, Q., Fan, S., Hu, B., Zheng, Y. Purple sweet potato color attenuated NLRP3 inflammasome by inducing autophagy to delay endothelial senescence (2019) Journal of Cellular Physiology, DOI: 10.1002/jcp.28003, **@2019** Линк **1.000**

258. Zhou, Y., Zhang, D., Liu, B., Hu, D., Shen, L., Long, C., Yu, Y., Lin, T., Liu, X., He, D., Wei, G. Bioinformatic identification of key genes and molecular pathways in the spermatogenic process of cryptorchidism (2019) Genes and Diseases, DOI: 10.1016/j.gendis.2018.11.002, **@2019** Линк **1.000**

259. AL-Maliki, Rehab Sh, Haider F. Ghazi, and Kareem G. Mohamed. "NLRP3 inflammasome gene expression and activation in leukocytospermia and non-leukocytospermia in fertile Iraqi men.", International Medical Journal, ISSN: 13412051, Volume 25, Issue 08, pp 3007-3013, August, 2020, **@2020** Линк **1.000**

260. Bryan, E.R., Kim, J., Beagley, K.W., Carey, A.J. Testicular inflammation and infertility: Could chlamydial infections be contributing? (2020) American Journal of Reproductive Immunology, 84 (3), art. no. e13286, DOI: 10.1111/aji.13286, PUBMED ID: 32533905, **@2020** Линк **1.000**

261. Montalvo, Sheyla Cisneros. "OLD ACQUAINTANCES AND NEW PERSPECTIVES INTO TESTICULAR DEVELOPMENT AND FUNCTION.", **@2020** Линк **1.000**

262. Riviere, E., Rossi, S.P., Tavalieri, Y.E., Muñoz de Toro, M.M., Ponzio, R., Puigdomenech, E., Levalle, O., Martinez, G., Terradas, C., Calandra, R.S., Matzkin, M.E., Frungieri, M.B. Melatonin daily oral supplementation attenuates inflammation and oxidative stress in testes of men with altered spermatogenesis of unknown aetiology (2020) Molecular and Cellular Endocrinology, 515, art. no. 110889, DOI: 10.1016/j.mce.2020.110889, PUBMED ID: 32622722, **@2020** Линк **1.000**

263. Su, Y., Zhang, Y., Hu, Z., He, L., Wang, W., Xu, J., ... & Zhao, K. (2020). Prokineticin 2 via Calcium-Sensing Receptor Activated NLRP3 Inflammasome Pathway in the Testicular Macrophages of Uropathogenic Escherichia coli-Induced Orchitis. Frontiers in Immunology, 11., **@2020** Линк **1.000**

264. Frungieri, M.B., Calandra, R.S., Bartke, A., Matzkin, M.E. "Male and female gonadal ageing: its impact on health span and life span". Mechanisms of Ageing and Development, 197, art. no. 111519, 2021, **@2021** Линк **1.000**

265. Jia, Hongshuai, and Chunsheng Hao. “Exploring Dysregulated MiRNAs in Cryptorchidism: A Systematic Review.” Journal of International Medical Research, vol. 49, no. 3, 2021., **@2021** Линк **1.000**

266. Kaur, G., Wright, K., Verma, S., Haynes, A., Dufour, J.M. "The Good, the Bad and the Ugly of Testicular Immune Regulation: A Delicate Balance Between Immune Function and Immune Privilege". Advances in Experimental Medicine and Biology, 1288, pp. 21-47., 2021, **@2021** Линк **1.000**

267. Zhou, L., Lv, M.-Q., Ge, P., Yang, Y.-Q., He, D.-L., Wang, H.-X., Zhou, D.-X. "The expression of Beclin-1 in testicular tissues of non-obstructive azoospermia patients and its predictive value in sperm retrieval rate". Translational Andrology and Urology, 10 (8), pp. 3267-3274, 2021, **@2021** Линк **1.000**

268. Ma, Q., You, X., Zhu, K., Zhao, X., Yuan, D., Wang, T., Dun, Y., Wu, J., Ren, D., Zhang, C., Zhao, H. "Changes in the tight junctions of the testis during aging: Role of the p38 MAPK/MMP9 pathway and autophagy in Sertoli cells". Experimental Gerontology, 161, art. no. 111729, 2022, **@2022** Линк **1.000**

269. Ma, Y., Chen, Y., Li, Y., Liu, Y., Kong, Y., Zou, Q., Guo, Z., Li, X., Chu, Y., Wang, Q. "A Probe into the Intervention Mechanism of Yiqi Huayu Jiedu Decoction on TLR4/NLRP3 Signal Pathway in Lipopolysaccharide-Induced Acute Respiratory Distress Syndrome (ARDS) Rats". Evidence-based Complementary and Alternative Medicine, 2022, art. no. 3051797, 2022, **@2022** Линк **1.000**

270. Mu, Y., Yin, T.-L., Zhang, Y., Yang, J., Wu, Y.-T. "Diet-induced obesity impairs spermatogenesis: the critical role of NLRP3 in Sertoli cells". Inflammation and Regeneration, 42 (1), art. no. 24, 2022, **@2022** Линк **1.000**

271. Riviere, E., Rossi, S.P., Tavalieri, Y.E., Muñoz de Toro, M.M., Calandra, R.S., Mayerhofer, A., Matzkin, M.E., Frungieri, M.B. "Pleiotropic actions of melatonin in testicular peritubular myoid cells of immature Syrian hamsters". Biochimica et Biophysica Acta - General Subjects, 1866 (10), art. no. 130187, 2022, **@2022** Линк **1.000**

272. Tavalaee, M., Rahmani, M., Drevet, J.R., Nasr-Esfahani, M.H. "The NLRP3 inflammasome: molecular activation and regulation in spermatogenesis and male infertility; a systematic review". Basic and Clinical Andrology, 32 (1), art. no. 8, 2022, **@2022** Линк **1.000**

273. Washburn, R.L., Hibler, T., Kaur, G., Dufour, J.M. "Sertoli Cell Immune Regulation: A Double-Edged Sword". Frontiers in Immunology, 13, art. no. 913502, 2022, **@2022** Линк **1.000**

24. Todorova, K, Metodiev, M, Metodieva, G, **Zasheva, D**, Mincheff, M, **Hayrabedyan, S**. miR-204 is Dysregulated in Metastatic Prostate Cancer In Vitro. Molecular Carcinogenesis, 55, 2, Wiley Periodicals, Inc., 2016, ISSN:1098-2744, DOI:10.1002/mc.22263, 131-147. ISI IF:4.808

Цитира се в:

274. Butrym, Aleksandra, Justyna Rybka, Dagmara Baczyńska, Andrzej Tukiendorf, Kazimierz Kuliczkowski, and Grzegorz Mazur. "Low expression of microRNA-204 (miR-204) is associated with poor clinical outcome of acute myeloid leukemia (AML) patients." Journal of Experimental & Clinical Cancer Research 34, no. 1 (2015): 1., **@2015** Линк **1.000**

275. Clark, Gene C. "Mirnas as Biomarkers for Prostate Cancer Progression." (2015)., **@2015** Линк **1.000**

276. Liu, J., Li, Y. Trichostatin A and Tamoxifen inhibit breast cancer cell growth by MIR-204 and ERα reducing AKT/mTOR pathway (2015) Biochemical and Biophysical Research Communications, 467 (2), pp. 242-247, **@2015** Линк **1.000**

277. Liu, Junbiao, and Yan Li. "Trichostatin A and Tamoxifen inhibit breast cancer cell growth by miR-204 and ERα reducing AKT/mTOR pathway." Biochemical and biophysical research communications 467, no. 2 (2015): 242-247, **@2015** Линк **1.000**

278. Chen, X., Liu, X.S., Liu, H.Y., Lu, Y.Y., Li, Y. Reduced expression of serum miR-204 predicts poor prognosis of gastric cancer (2016) Genetics and Molecular Research, 15 (2), art. no. 15027702, **@2016** Линк **1.000**

279. Jian Lang, Jiang Lin, Qin Chen, Yang Xiang, Wei-Bin Wang, Zhao-Qun Deng, Feng-Qin Han, Ying-Zhao Liu, Jun Qian, Yu-Quan Zhou, Wei Qian. "MiR-675 is over-expressed in patients with prostate cancer". Int J Clin Exp Pathol 2016;9(11):11814-11819, **@2016** Линк **1.000**

280. Lee H, Lee S, Bae H, Kang HS, Kim SJ. Genome-wide identification of target genes for miR-204 and miR-211 identifies their proliferation stimulatory role in breast cancer cells. Scientific reports. 2016;6. doi: 10.1038/srep25287, **@2016** Линк **1.000**

281. Li, T., Pan, H., Li, R. The dual regulatory role of miR-204 in cancer (2016) Tumor Biology, 37 (9), pp. 11667-11677, **@2016** Линк **1.000**

282. Tianqi Li, Hongjie Pan, Runsheng Li. "The dual regulatory role of miR-204 in cancer". Tumor Biology. September 2016, Volume 37, Issue 9, pp 11667–11677. DOI: 10.1007/s13277-016-5144-5, **@2016** Линк **1.000**

283. Xu Wang, Bo Yang , Baojing Ma. The UCA1/miR-204/Sirt1 axis modulates docetaxel sensitivity of prostate cancer cells. Cancer Chemotherapy and Pharmacology November 2016, Volume 78, Issue 5, pp 1025–1031 doi:10.1007/s00280-016-3158-8, **@2016** Линк **1.000**

284. Pandima Devi K Rajavel T Daglia M Nabavi S Nabavi S Bishayee A. "Targeting miRNAs by polyphenols: Novel therapeutic strategy for cancer." Seminars in Cancer Biology. Volume 46, October 2017, Pages 146-157, **@2017** Линк **1.000**

285. Wei Chen et al., "Loss of miR-449a-caused PrLZ overexpression promotes prostate cancer metastasis". International Journal of Oncology. 2017, p. 435-444, **@2017** Линк **1.000**

286. D'Aguanno, S., Valentini, E., Tupone, M. G., Desideri, M., Di Martile, M., Spagnuolo, M., ... & Milella, M. (2018). Semaphorin 5A drives melanoma progression: role of Bcl-2, miR-204 and c-Myb. Journal of Experimental & Clinical Cancer Research, 37(1), 278., **@2018** Линк **1.000**

287. GK Panigrahi, A Ramteke, D Birks et al. "Exosomal microRNA profiling to identify hypoxia-related biomarkers in prostate cancer." Oncotarget. 2018., **@2018** Линк **1.000**

288. Khawar, M. B., Mehmood, R., & Roohi, N. (2019). MicroRNAs: Recent insights towards their role in male infertility and reproductive cancers. Bosnian journal of basic medical sciences., **@2018** Линк **1.000**

289. Lin, Y., Chen, F., Shen, L., Tang, X., Du, C., Sun, Z., ... & Shen, B. (2018). Biomarker microRNAs for prostate cancer metastasis: screened with a network vulnerability analysis model. Journal of translational medicine, 16(1), 134., **@2018** Линк **1.000**

290. Panigrahi, G. K., Ramteke, A., Birks, D., Ali, H. E. A., Venkataraman, S., Agarwal, C., ... & Deep, G. (2018). Exosomal microRNA profiling to identify hypoxia-related biomarkers in prostate cancer. Oncotarget, 9(17), 13894., **@2018** Линк **1.000**

291. S D'Aguanno, E Valentini. "Semaphorin 5A drives melanoma progression: role of Bcl-2, miR-204 and c-Myb." Journal of Experimental & Clinical Cancer Research. 2018, **@2018** Линк **1.000**

292. Y Lin, F Chen, L Shen, X Tang et al. " Biomarker microRNAs for prostate cancer metastasis: screened with a network vulnerability analysis model". Journal of Translational Medicine, 2018, **@2018** Линк **1.000**

293. Khawar, M.B., Mehmood, R., Roohi, N. Micrornas: Recent insights towards their role in male infertility and reproductive cancers (2019) Bosnian Journal of Basic Medical Sciences, DOI: 10.17305/BJBMS.2018.3477, **@2019** Линк **1.000**

294. Lourdes M Nogueira, Clare E Burton, Laurel Black, Jasmine D Fox, Kristi L Helke, Elizabeth GarrettMayer, Dennis K Watson, David P Turner and Victoria J Findlay. MicroRNA 204 Mediated Negative Regulation of the IGF2R Promotes Breast Cancer Progression and is a Potential Mechanism Driving Breast Cancer Disparity. Cancer HealthDisparities 3:e1-e19, 2019, **@2019** Линк **1.000**

295. Minoo Pargol , Shohreh Zare Karizi , Morteza Karimi Pour . Evaluation of MiR-20a and MiR-204 Expression Involved in Autophagy in Non-small Cell lung Cancer. Journal of Ilam Univercity, vol.26, N6, 2019, **@2019** Линк **1.000**

296. Muhammad Babar Khawar, 1, 2, 3, * Rabia Mehmood, 1 and Nabila Roohi. MicroRNAs: Recent insights towards their role in male infertility and reproductive cancers. Bosn J Basic Med Sci. Feb; 19(1): 31–42, 2019, **@2019** Линк **1.000**

297. Nogueira, Lourdes M., et al. "MicroRNA 204 mediated negative regulation of the IGF2R promotes breast cancer progression and is a potential mechanism driving breast cancer disparity." Cancer Health Disparities 3 (2019)., **@2019** Линк **1.000**

298. Pargol, Minoo, Shohreh Zare Karizi, and Morteza Karimi Pour. "Evaluation of MiR-20a and MiR-204 Expression Involved in Autophagy in Non-small Cell lung Cancer." scientific journal of ilam university of medical sciences 26.6 (2019): 58-68., **@2019** Линк **1.000**

299. Q Wa, S Huang, J Pan, Y Tang, S He et al. miR-204-5p Represses Bone Metastasis via Inactivating NF-κB Signaling in Prostate Cancer. Molecular Therapy. Nucleic Acids, vol.18, 6, 2019, **@2019** Линк **1.000**

300. Zhao, Z., Weickmann, S., Jung, M., Lein, M., Kilic, E., Stephan, C., Erbersdobler, A., Fendler, A., Jung, K. A novel predictor tool of biochemical recurrence after radical prostatectomy based on a five-microRNA tissue signature (2019) Cancers, 11 (10), art. no. 1603, DOI: 10.3390/cancers11101603, **@2019** Линк **1.000**

301. Liang, C.-Y., Li, Z.-Y., Gan, T.-Q., (...), Feng, Z.-B., Chen, G.Downregulation of hsa-microRNA-204-5p and identification of its potential regulatory network in non-small cell lung cancer: RT-qPCR, bioinformatic- And meta-analyses. Respiratory Research 21(1), 60, **@2020** Линк **1.000**

302. Srivastava, S.K., Khan, M.A., Anand, S., Zubair, H., Deshmukh, S.K., Patel, G.K., Singh, S., Andrews, J., Wang, B., Carter, J.E., Singh, A.P. "MYB interacts with androgen receptor, sustains its ligand-independent activation and promotes castration resistance in prostate cancer". British Journal of Cancer, 126 (8), pp. 1205-1214, 2022, **@2022** Линк **1.000**

303. Wang, K., Huang, D., Zhou, P., Su, X., Yang, R., Shao, C., Wu, J. "Bisphenol A exposure triggers the malignant transformation of prostatic hyperplasia in beagle dogs via cfa-miR-204/KRAS axis". Ecotoxicology and Environmental Safety, 235, art. no. 113430, 2022, **@2022** Линк **1.000**

304. Yang, F., Bian, Z., Xu, P., Sun, S., Huang, Z. "MicroRNA-204-5p: A pivotal tumor suppressor". Cancer Medicine, 2022, **@2022** Линк **1.000**

2017

25. Hakam M.S., Miranda-Sayago J.M., **Hayrabedyan S.**, **Todorova K.**, Spencer P.S., Jabeen A., Barnea E.R., Fernandez N.. Preimplantation Factor (PIF) Promotes HLA-G, -E, -F, -C Expression in JEG-3 Choriocarcinoma Cells and Endogenous Progesterone Activity. Cellular Physiology and Biochemistry, 43, 6, Karger Publishers, 2017, DOI:10.1159/000484378, 2277-2296. ISI IF:5.104

Цитира се в:

305. Fainardi, E., Bortolotti, D., Castellazzi, M., Casetta, I., Bellini, T., Rizzo, R. Detection of serum soluble HLA-G levels in patients with acute ischemic stroke: A pilot study (2019) Human Immunology, . DOI: 10.1016/j.humimm.2019.11.004, PUBMED ID: 31735441, **@2019** Линк **1.000**

306. Mikhailova, V.A., Khokhlova, E.V., Bazhenov, D.O., Agnaeva, A.O., Kozyreva, A.R., Bespalova, O.N., Selkov, S.A., Sokolov, D.I. Changes in expression of Ki-67, CD16 and CD56 by natural killer cells from peripheral blood mononuclear cells in the setting of recurrent miscarriage after in vitro culturing in the presence of trophoblast cells and IL-2 (2019) Cytotechnology, 71 (4), pp. 861-871. DOI: 10.1007/s10616-019-00331-4, **@2019** Линк **1.000**

307. Milyutina, Y.P., Mikhailova, V.A., Pyatygina, K.M., Demidova, E.S., Malygina, D.A., Tertychnaia, T.E., Arutjunyan, A.V., Sokolov, D.I., Selkov, S.A. Role of Caspases in the Cytotoxicity of NK-92 Cells in Various Models of Coculturing with Trophoblasts (2019) Biochemistry (Moscow), 84 (10), pp. 1186-1196. DOI: 10.1134/S0006297919100079, PUBMED ID: 31694514, **@2019** Линк **1.000**

308. Schäfer-Somi, S., Ali Aksoy, O., Ergene, O., Darbaz, I., Herkner, K.R., Aslan, S. First detection of heat shock protein 60 and 70 in the serum of early pregnant bitches (2019) Acta Veterinaria Hungarica, 67 (3), pp. 445-455. DOI: 10.1556/004.2019.044, PUBMED ID: 31549545, **@2019** Линк **1.000**

309. Fainardi, E., Bortolotti, D., Castellazzi, M., Casetta, I., Bellini, T., Rizzo, R. Detection of serum soluble HLA-G levels in patients with acute ischemic stroke: A pilot (2020) Human Immunology, 81 (4), pp. 156-161, DOI: 10.1016/j.humimm.2019.11.004, PUBMED ID: 31735441, **@2020** Линк **1.000**

310. Mayoral Andrade, G., Vásquez Martínez, G., Pérez-Campos Mayoral, L., Hernández-Huerta, M.T., Zenteno, E., Pérez-Campos Mayoral, E., Martínez Cruz, M., Martínez Cruz, R., Matias-Cervantes, C.A., Meraz Cruz, N., Romero Díaz, C., Cruz-Parada, E., Pérez-Campos, E. Molecules and Prostaglandins Related to Embryo Tolerance (2020) Frontiers in Immunology, 11, art. no. 555414, DOI: 10.3389/fimmu.2020.555414, PUBMED ID: 33329514, **@2020** Линк **1.000**

311. Zare, F., Seifati, S.M., Dehghan-Manshadi, M., Fesahat, F. Preimplantation factor (PIF): A peptide with various functions (2020) Jornal Brasileiro de Reproducao Assistida, 24 (2), pp. 214-218. DOI: 10.5935/1518-0557.20190082, PUBMED ID: 32202400, **@2020** Линк **1.000**

312. Williams, R.C., Koroglu, C., Knowler, W.C., Shuldiner, A.R., Gosalia, N., Van Hout, C., Hanson, R.L., Bogardus, C., Baier, L.J. "Next generation sequencing for HLA loci in full heritage Pima Indians of Arizona, Part II: HLA-A, -B, and -C with selected non-classical loci at 4-field resolution from whole genome sequences". Human Immunology, 82 (6), pp. 385-403, 2021, **@2021** Линк **1.000**

313. Lin, X.-X., Xie, Y.-M., Zhao, S.-J., Liu, C.-Y., Mor, G., Liao, A.-H. Human leukocyte antigens: the unique expression in trophoblasts and their crosstalk with local immune cells. International Journal of Biological Sciences, 18 (10), pp. 4043-4052, 2022, **@2022** Линк **1.000**

26. Goodale LF, **Hayrabedran S**, **Todorova K.**, Roussev R, Ramu S, Stamatkin C, Coulam CB, Barnea ER, Gilbert RO. PreImplantation factor (PIF) protects cultured embryos against oxidative stress: relevance for recurrent pregnancy loss (RPL) therapy. Oncotarget, 8, 20, Impact Journals, LLC, 2017, DOI:10.18632/oncotarget.16028, 32419-32432. ISI IF:5.168

Цитира се в:

314. Al-Nasiry, S., Ambrosino, E., Schlaepfer, M., Morré, S.A., Wieten, L., Voncken, J.W., Spinelli, M., Mueller, M., Kramer, B.W. The Interplay Between Reproductive Tract Microbiota and Immunological System in Human Reproduction (2020) Frontiers in Immunology, 11, art. no. 378, DOI: 10.3389/fimmu.2020.00378, PUBMED ID: 32231664, **@2020** Линк **1.000**

315. Zare, F., Seifati, S.M., Dehghan-Manshadi, M., Fesahat, F. Preimplantation factor (PIF): A peptide with various functions (2020) Jornal Brasileiro de Reproducao Assistida, 24 (2), pp. 214-218. DOI: 10.5935/1518-0557.20190082 PUBMED ID: 32202400, **@2020** Линк **1.000**

316. He, D., Han, G., Zhang, X., Sun, J., Xu, Y., Jin, Q., Gao, Q. "Oxidative stress induced by methomyl exposure reduces the quality of early embryo development in mice". Zygote, 2021, **@2021** Линк **1.000**

27. **Todorova, K**, Metodiev, M, Metodieva, M, Mincheff, M, Fernandez, N, **Hayrabedyan, S**. Micro-RNA-204 participates in TMPRSS2:ERG regulation and androgen receptor reprogramming in prostate cancer.. Hormones and Cancer, 8, 1, Springer US, 2017, ISSN:1868-8497, DOI:10.1007/s12672-016-0279-9, 28-48. ISI IF:3.709

Цитира се в:

317. Lin, X., Qureshi, M.Z., Romero, M.A., Yaylim, I., Arif, S., Ucak, I., Fayyaz, S., Farooqi, A.A., Mansoor, Q., Ismail, M. Signaling networks in TMPRSS2-ERG positive prostate cancers: Do we need a Pied Piper or sharpshooter to deal with "at large" fused oncoprotein. Cellular and Molecular BiologyVolume 63, Issue 2, 2017, Pages 1-8, **@2017** Линк **1.000**

318. Chen, X., Mangala, L.S., Mooberry, L., Bayraktar, E., Dasari, S.K., Ma, S., Ivan, C., Court, K.A., Rodriguez-Aguayo, C., Bayraktar, R., Raut, S., Sabnis, N., Kong, X., Yang, X., Lopez-Berestein, G., Lacko, A.G., Sood, A.K. Identifying and targeting angiogenesis-related microRNAs in ovarian cancer (2019) Oncogene, DOI: 10.1038/s41388-019-0862-y, **@2019** Линк **1.000**

319. Fernandes, R.C., Hickey, T.E., Tilley, W.D., Selth, L.A. Interplay between the androgen receptor signaling axis and microRNAs in prostate cancer (2019) Endocrine-Related Cancer, 26 (5), pp. R237-R257., **@2019** Линк **1.000**

320. Khawar, Muhammad Babar, Rabia Mehmood, and Nabila Roohi. "MicroRNAs: Recent insights towards their role in male infertility and reproductive cancers." Bosnian journal of basic medical sciences (2019)., **@2019** Линк **1.000**

321. Tuersong, T., Li, L., Abulaiti, Z., Feng, S. Comprehensive analysis of the aberrantly expressed lncRNA-associated ceRNA network in breast cancer (2019) Molecular Medicine Reports, DOI: 10.3892/mmr.2019.10165, **@2019** Линк **1.000**

322. Verma, Mukesh, and Vineet Kumar. "Targeting Epigenetic Regulators in Cancer to Overcome Resistance to Targeted Therapy." Current Applications for Overcoming Resistance to Targeted Therapies. Springer, Cham, 2019. 259-289., **@2019** Линк **1.000**

323. Stevenson, M., Banerjee, H. N., Banerjee, N., Rawat, K., Chen, L., Worthington, M., ... & Mandal, S. (2020). A health disparities study of MicroRNA-146a expression in prostate cancer samples derived from African American and European American patients. Journal of solid tumors, 10(2)., **@2020** Линк **1.000**

324. Bozgeyik, I. "miRNA network associated with the TMPRSS2-ERG fusion in prostate cancer invasion". Meta Gene, 29, art. no. 100933, 2021, **@2021** Линк **1.000**

325. Sabetian, S., Castiglioni, I., Jahromi, B.N., Mousavi, P., Cava, C. "In silico identification of mirna–lncrna interactions in male reproductive disorder associated with COVID-19 infection". Cells, 10 (6), art. no. 1480, ., **@2021** Линк **1.000**

326. Slabáková, E., Kahounová, Z., Procházková, J., Souček, K. ""Regulation of neuroendocrine-like differentiation in prostate cancer by non-coding rnas". Non-coding RNA, 7 (4), art. no. 75, 2021, **@2021** Линк **1.000**

327. Tang, Liansha, et al. "Identification of the Predictive Role of Mutator-Derived lncRNA Signatures in Genome Instability of Prostate Cancer." Available at SSRN 3807237., **@2021** Линк **1.000**

328. Tang, L., Li, W., Xu, H., Zheng, X., Qiu, S., He, W., Wei, Q., Ai, J., Yang, L., Liu, J. Mutator-Derived lncRNA Landscape: A Novel Insight Into the Genomic Instability of Prostate Cancer. Frontiers in Oncology, 12, art. no. 876531, 2022, **@2022** Линк **1.000**

2018

28. **Soren Hayrabedyan**, **Krassimira Todorova**, Marialuigia Spinelli, Eytan R. Barnea, Martin Mueller. The core sequence of PIF competes for insulin/amyloid β in insulin degrading enzyme: potential treatment for Alzheimer's disease. Oncotarget, 9, Impact Journals, LLC, 2018, DOI:https://doi.org/10.18632/oncotarget.26057, 33884-33895. SJR:1.942, ISI IF:4.67

Цитира се в:

329. Fricano, A., Librizzi, F., Rao, E., Alfano, C., Vetri, V. Blue autofluorescence in protein aggregates "lighted on" by UV induced oxidation (2019) Biochimica et Biophysica Acta - Proteins and Proteomics, 1867 (11), art. no. 140258, . DOI: 0.1016/j.bbapap.2019.07.011, PUBMED ID: 31369824, **@2019** Линк **1.000**

330. García-Morales, V., González-Acedo, A., Melguizo-Rodríguez, L., Pardo-Moreno, T., Costela-Ruiz, V.J., Montiel-Troya, M., Ramos-Rodríguez, J.J. "Current understanding of the physiopathology, diagnosis and therapeutic approach to alzheimer's disease". Biomedicines, 9 (12), art. no. 1910, 2021, **@2021** Линк **1.000**

331. Spinelli, M., Boucard, C., Ornaghi, S., Schoeberlein, A., Irene, K., Coman, D., Hyder, F., Zhang, L., Haesler, V., Bordey, A., Barnea, E., Paidas, M., Surbek, D., Mueller, M. "Preimplantation factor modulates oligodendrocytes by H19-induced demethylation of NCOR2". JCI Insight, 6 (20), art. no. e132335, 2021, **@2021** Линк **1.000**

332. Sánchez-Cruz, A., Hernández-Fuentes, M.D., Murillo-Gómez, C., de la Rosa, E.J., Hernández-Sánchez, C. Possible Role of Insulin-Degrading Enzyme in the Physiopathology of Retinitis Pigmentosa. Cells, 11 (10), art. no. 1621, 2022, **@2022** Линк **1.000**

2019

29. **Soren Hayrabedyan**, Reut Shainer, Zhanna Yekhtin, Lola Weiss, Osnat Almogi-Hazan, Reuven Or, Charles L. Farnsworth, Scott Newsome, **Krassimira Todorova**, Michael J. Paidas, Chaya Brodie, Eytan R. Barnea, Martin Mueller. Synthetic PreImplantation Factor (sPIF) induces posttranslational protein modification and reverses paralysis in EAE mice. Scientific Reports, 9, 12876, Spinger Nature, 2019, ISSN:2045-2322 (online), DOI:https://doi.org/10.1038/s41598-019-48473-x, 1-12. JCR-IF (Web of Science):4.525

Цитира се в:

333. Fujiwara, H., Ono, M., Sato, Y., Imakawa, K., Iizuka, T., Kagami, K., Fujiwara, T., Horie, A., Tani, H., Hattori, A., Daikoku, T., Araki, Y. Promoting roles of embryonic signals in embryo implantation and placentation in cooperation with endocrine and immune systems (2020) International Journal of Molecular Sciences, 21 (5), art. no. 1885 . DOI: 10.3390/ijms21051885, PUBMED ID: 32164226, **@2020** Линк **1.000**

2021

30. Mehterov, N, Kazakova, M, Sbirkov, Y, Vladimirov, B, Belev, N, Yaneva, G, **Todorova, K**, **Hayrabedyan, S**, Sarafian, V. Alternative RNA Splicing—The Trojan Horse of Cancer Cells in Chemotherapy. Genes, 12, 7, MDPI, 2021, DOI:https://doi.org/10.3390/genes12071085, JCR-IF (Web of Science):4.096

Цитира се в:

334. Marima, R., Francies, F.Z., Hull, R., Molefi, T., Oyomno, M., Khanyile, R., Mbatha, S., Mabongo, M., Bates, D.O., Dlamini, Z. "Microrna and alternative mrna splicing events in cancer drug response/resistance: potent therapeutic targets". Biomedicines, 9 (12), art. no. 1818, 2021, **@2021** Линк **1.000**

335. Reviejo, M., Soto, M., Lozano, E., Asensio, M., Martínez-Augustin, O., Sánchez de Medina, F., Marin, J.J.G. "Impact of alternative splicing on mechanisms of resistance to anticancer drugs". Biochemical Pharmacology, 193, art. no. 114810, 2021, **@2021** Линк **1.000**

2022

31. Sbirkov, Y., Dzharov, V., **Todorova, K.**, **Hayrabedyan, S.**, Sarafian, V.. Endothelial inflammation and dysfunction in COVID-19. Vasa - European Journal of Vascular Medicine, 51, 2, Hogrefe Verlag GmbH & Co. KG, 2022, ISSN:03011526, DOI:10.1024/0301-1526/a000991, 62-70. SJR (Scopus):0.472, JCR-IF (Web of Science):2.336

Цитира се в:

336. Bauer, P., Kraushaar, L., Dörr, O., Keranov, S., Nef, H., Hamm, C.W., Most, A. Vascular alterations among male elite athletes recovering from SARS-CoV-2 infection. Scientific Reports, 12 (1), art. no. 8655, 2022, **@2022** Линк **1.000**

337. Imig, J.D. SARS-CoV-2 spike protein causes cardiovascular disease independent of viral infection. Clinical Science, 136 (6), pp. 431-434, 2022, **@2022** Линк **1.000**

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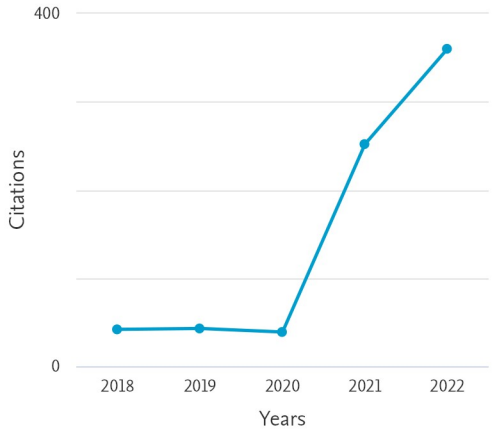

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6	The role of microrna-15a in the development of prostate canc...	2018							0		0
7	Correction: Preimplantation factor (PIF) protects cultured e...	2018							0		0
8	The core sequence of PIF competes for insulin/amyloid β in i...	2018			2		2	1	**5**		**5**
9	When the molecules start playing chess, or how MicroRNAs acq...	2018							0		0
10	HLA-DR genotyping and mitochondrial DNA analysis reveal the ...	2017							0		0
11	Preimplantation Factor (PIF) Promotes HLA-G,-E,-F,-C Express...	2017		2	4	3	1	1	**11**		**11**

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13	PreImplantation factor (PIF) protects cultured embryos again...	2017	3	2	2	2	1		7		10
14	PreImplantation factor (PIF) regulates systemic immunity and...	2016	8	4	2	3			9		17
15	Preimplantation factor prevents atherosclerosis via its immu...	2016	10	3	3	4		2	12		22
16	miR-204 is dysregulated in metastatic prostate cancer in vit...	2016	11	5	3	1		3	12		23
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20	MiR-15a reconstitution in prostate cancer cell line suppress...	2015		1					1		1
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22	NLRs Challenge Impacts Tight Junction Claudins In Sertoli Ce...	2015		1				1	2		2
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24	Erratum: Insight into PreImplantation Factor (PIF) mechanism...	2014							0		0
25	Insight into PreImplantation Factor (PIF*) mechanism for emb...	2014	19	3	2	6		1	12		31
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33	A relationship between microRNA204 and occludin in prostate ...	2012							0		0
34	Cumulus biomarker evaluation for human oocyte quality predic...	2012							0		0
35	The role of miR-204 and nod1 receptor in prostate cancer inf...	2012	2						0		2
36	Sertoli Cell Quiescence - New Insights	2012	8	3	1	2	2		8		16
37	Key Cellular Components and Interactive Histocompatibility M...	2012	6						0		6
38	Stem Cells in the Reproductive System	2012	3	1					1		4
39	Sperm proteins as potential markers of boar fertility	2012							0		0
40	Flowcytometry as a method for advanced evaluation of boar se...	2012							0		0
41	Lysyl oxidase as a potential biomarker for predicting oocyte...	2011							0		0
42	Gene panel in human cumulus cells as biomarker for successfu...	2011							0		0
43	The stem cell paradigm and its application to prostate cance...	2009							0		0
44	Calcium-binding protein S100A13 is overexpressed in endometr...	2008	1						0		1
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46	Quantitative evaluation of AMACR in gliobastoma	2007					1		1		1
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51	Quantitive assessment of the expression levels of PSMA, hCG ...	2006							0		0
52	FGF-1 and S100A13 possibly contribute to angiogenesis in end...	2005	26			1	2	1	4		30
53	Endoglin (cd105) and S100A13 as markers of active angiogenes...	2005	18	3	2	1	3	1	10		28
54	Potential markers for prostate carcinoma malignancy characte...	2004							0		0

	Documents	Citations	<2018	2018	2019	2020	2021	2022	Subtotal	>2022	Total
		Total	194	42	43	39	252	360	736	0	930
55	Immunofluorescent localization of Il-1α, FGF-1, S100A13 as a...	2004	2		1				1		3

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на проф. д-р Сорен Бохос Хайрабедян, дбн

2020, ***Издаден в Национално патентно бюро*** *– номер в EPA: BG111862 (A) 2016-05-31, "*МЕТОД И КИТ ЗА ОТКРИВАНЕ НА ОНКОФУЗИОНЕН ПРОТЕИН*"*, Заявител: ИБИР-БАН, Красимира Тодорова, Сорен Хайрабедян, Изобретатели: Красимира Тодорова, **Сорен Хайрабедян**

Резюме в Esacenet (EPO):

Разработен е метод за откриване на онкофузионен протеин, който съчетава комбинация от имунологичен с молекулярно-биологичен метод, като позволява разпознаването на най-често срещания и с най-високо клинично значение функционално годен онкофузионен протеин при карцином на простатата - TMPRSS2-ERG. Предлаганото решение открива на протеиново ниво двете отделни части на TMPRSS2-ERG. Ако те не са на разстояние от порядъка на една молекула, както и ако са frame shift мутирали, тези две отделни части (домени) няма да бъдат разпознати и тестът ще бъде отрицателен. Обратно, ако има близко разположени домени на TMPRSS2 и ERG в близост от порядъка на една молекула, след първична детекция на двата домена се генерира междинен продукт, който се усилва във втора стъпка с помощта на амплифицираща технология, което позволява детекция на изключително слаб сигнал, получен от много малък брой детектирани фузионни молекули. Разработен е кит за детекция на протеинов продукт, получен при фузия на гените TMPRSS2 и ERG, имащи съответни геномни локации в хромозома 21. За детекция на различни варианти, получени в резултат на различно генно реаранжиране, изследвания фузионен протеинов продукт може да се открие с помощта на специфични антитела, насочени към участъци от пълния функционален протеинов продукт на дивите варианти на гените TMPRSS2 и ERG. По този начин протеините TMPRSS2 и ERG могат да се открият поотделно. 7 претенции, 25 фигури

2015, 2016, ***Издаден международен патент*** (Заявен в Американския патентен офис, издаден за САЩ, Европа и Евразия) - Pub. No. WO/2015/061483 (30.04.2015), International Application No.: PCT/US2014/061814: "PIF-transfected cells and methods of use." Inventors: Eytan R. Barnea, **Soren Bohos Hayrabedyan**. Applicant: BioIncept, Llc. (NJ, US)

(*Патентът описва метод за директна експресия на къси пептиди, предизвикателство пред биологичния праг на рибозомите, като е показан in silico дизайнът на структурни варианти на фузионен пептид отговарящ на PreImplantationFactor™, неговото „безшевно" клониране във вектор за еукариотна експресия, валидиране на експресията с помощта на проточен флоуцитометричен анализ и конфокална микроскопия на HEK293 трансфектирани клетки, експресиращи пептида. Показани са и амино-киселинните остатъци в in silico модели на докинг на пептида към специфични рецептори с които де дефинира техния интерфейс на взаимодействие. Патентът дефинира рамка за бърза разработка и внедряване на терапевтично-приложими пептиди за експресия в клетъчно-базирани терапевтични решения.*)

Резюме в Esacenet (EPO):

Cells transfected with DNA sequences encoding for a PreImplantation Factor (PIF) or a PIF and one or more fusion tag(s) are disclosed. Also disclosed are DNA sequences encoding for synthetic PIFs, a PIF fusion peptide made of a PIF and one or more fusion tags, methods of treatment using the transfected cells that express a PIF, an R-I-K-P peptide, compositions containing the R-I-K-P peptide, and methods of identifying a compound that binds to an active site of an WX1WX2X3X4REWFX5X6X7W receptor, wherein each X can be any amino acid.