



Alexsandro Sobreira Galdino  
Molecular Biologist

## SUMMARY CV:

### PRESENT POSITION:

Associate professor /Researcher at  
Universidade Federal de São João Del-Rei, *campus* Divinópolis, MG, Brazil.

Head of Microorganism Biotechnology Laboratory. Research fellow in technological development and Innovative extension – 1D – CNPq (The National Council for Scientific and Technology Development , Brazil)

Microbial Biotechnology Laboratory  
[www.ufsj.edu.br/labiom](http://www.ufsj.edu.br/labiom)

**LAB STRUCTURE** - Equipments and reagents utilized for protein and peptides expression using the following microorganisms as hosts: the bacteria *Escherichia coli* and the yeasts *Saccharomyces cerevisiae* and *Pichia pastoris*

**INSTITUTIONAL ADDRESS:** Universidade Federal de São João Del-Rei, Av. Sebastião Gonçalves Coelho, 400, Chanadour, CEP: 35501-296, Divinópolis, MG, Brazil.

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**NATIONALITY:** Brazilian

### BIOGRAPHY:

AS Galdino gained his undergraduate biologist degree from Universidade Federal do Ceara in 2000, completing a master in Biochemistry at Universidade Federal do Ceara (2001-2002). He subsequently was substitute professor in Biology at Universidade Federal do Ceara (2003). He completed a PhD in Molecular Biology at Universidade de Brasilia (2004-2008) and subsequently applied a Pos-doctoral position in Applied Immunology working with the expression and purification of novel recombinant antigens for immunological diagnosis kit. Nowadays, AS Galdino is Associate professor III in Biotechnology at Universidade Federal de

São João Del-Rei since 2010. AS Galdino researches on production of recombinant proteins such enzymes and antigens for several biotec industries. He utilizes several hosts for recombinant protein production such *Escherichia coli*, *Saccharomyces cerevisiae* and *Pichia pastoris*. In 2016, AS Galdino founded the Startup Chimera Diagnosticos – animal and Human Health - in order to produce recombinant innovative antigens, such proteins and peptides for immunological diagnosis of emergent and neglected diseases. Prof. Galdino has 70 scientific publication, 25 book chapters, 55 patents filled, 01 patent granted and transference of Technologies to industries in progress. Possess H-index of 16 (ResearchGate) and 18 (GoogleScholar)

## **QUALIFICATION**

**2000-** Graduate in Biological Sciences  
**2002-** Master's degree in Biochemistry  
**2003-** Assistant professor – Biology  
**2008:** PhD in Molecular Biology  
**2010:** Postdoctoral in Applied Immunology  
**2016:** Specialization in Biotechnology  
**2019:** Specialization in Technological Innovation  
**2020:** Specialization in Intellectual Property  
**2023:** MBA in Innovation and Entrepreneurship  
**2023:** MBA in Business management and organizational strategy (in progress)

## **AWARDS**

2021: Honorable Mention: In silico analysis of structural proteins for SARS-COV-2 vaccine  
2020: The best PhD thesis – Student Lais Moreira Nogueira (supervisor)  
2020: 1<sup>st</sup> Place: Selection of mentors for Startups (MOVAP)  
2019: 2<sup>nd</sup> Place: Local Prize – Startup LeishCare – (GRITE Demoday)  
2019: 2<sup>nd</sup> Place: International Prize – Startup Chimera Diagnósticos – (BIOLATIN America)  
2019: 2<sup>nd</sup> Place: National Prize – Startup Chimera Diagnósticos – BIOSTARTUP Academy)  
2019: 1<sup>st</sup> Place: The best PhD thesis of UFMG – Student: Daniel Silva Dias (co-supervisor)  
2019: 1<sup>st</sup> Place: Local Prize – Mentor of Startup Alpha 4 – 2o. GRITE Demoday  
2019: 1<sup>st</sup> Place: Local Prize – Startup LeishCare – 2o. GRITE demoday  
2019: 3<sup>rd</sup> Place: Local Prize – Mentor of Startup DiviApps – 2o. GRITE Demoday  
2019: Honorable Mention – Mentor of Startup Drugon – 2o. GRITE Demoday  
2018: Congratulatory Motion – Technological Innovation and Entrepreneurship Group (GRITE)  
2018: Congratulatory Motion – Recombinant Proteins for diagnosis Kits  
2018: Honorable Mention – Mentor of Startup VIIPE FIT – 1o GRITE Demoday  
2018: 3<sup>rd</sup> Place: Startup Herbio – 1o. GRITE Demoday  
2018: Best Ideation Award – State Award - Lavigne HPV – Entrepreneur Connection Event  
2017: Merit Award - Innovation in diagnosis kits.  
2009: Boticario Ferreira Medal- Development of *S. cerevisiae* strain able to convert cassava to ethanol .  
2008: Young Inventor Awards – Research Foundation of Federal District, Brasilia, DF, Brazil.

## **COLLABORATION WITH BIOTECH ENTERPRISES**

- Bioclin Quibasa
- Vyttra Diagnósticos
- In Vitro Diagnóstica
- Biotecnica Industria
- Vida Biotecnologia
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## **INTELLECTUAL PROPERTY**

- 90% of patents refers to recombinant enzymes and antigens production
- 54 patents deposited/filled
- 01 patent granted

## **TRANSFERENCE OF TECHNOLOGY TO BIOTECH INDUSTRIES**

- two processes of transference of technology in progress on recombinant protein and peptides for diagnosis

## **INTERNATIONALS COLLABORATION**

- Limerick Institute of Technology (Ireland)
- Universidad de Los Andes (Colombia)
- Universidad Catolica de Santa Maria (Peru)
- Center for Health and Diseases Studies (Nepal, India)

## **EDITORIAL BOARD MEMBER**

- 2023** – Microbial Cell factories
- 2022** – Current Protein and Peptide Science
- 2022** – Protein and Peptide Letters
- 2022** – Frontiers in Medicine
- 2020** – Journal of Biotechnology and Biodiversity
- 2020** – Current Pharmaceutical Biotechnology
- 2018** - Virology & Immunology Journal
- 2018** - Journal of Microbiology & Microbial Technology
- 2017** - The Scientific pages of Biomedical Research
- 2017** - Annals of Microbiology and Infectious Diseases
- 2017** - Journal of Biotechnology and Bioengineering
- 2017** - International of Microbiology and Biotechnology
- 2017** - Methods of Microbiology and Molecular Biology
- 2017** - Journal of Infection Diseases and Medicine
- 2017** - Enzymology and Proteomics Research
- 2017** - Journal of Biotech Research & Biochemistry
- 2017** - HSOA Journal of Enzymology & Proteomics Research
- 2017** - Biosciences Biotechnology Research Asia (2456-2602)
- 2016** - Molecular Medicine Open Access
- 2016** - Nessa Journals of Biotechnology and Bioengineering (NJBB)
- 2016** - Open Access Journal of Microbiology & Biotechnology (OAJMB)
- 2016** - Advances in Biochemistry and Biotechnology

2014 - BBR - Biochemistry and Biotechnology Reports

2014 - Advances in Bioscience and Biotechnology

2013 - WebmedCentral.com

2013 - International Journal of Cell Science and Biotechnology (ISSN 2320 7574)

2013 - Recent Patents on Biotechnology

## ARTICLES

- The yellow colored articles refers to most important article in the field of recombinant protein expression

GONZÁLEZ, MARCO ANTONIO CABRERA ; GONÇALVES, ANA ALICE MAIA ; OTTINO, JENNIFER ; LEITE, JAQUELINE COSTA ; RESENDE, LUCILENE APARECIDA ; MELO-JÚNIOR, OTONI ALVES ; SILVEIRA, PATRÍCIA ; CARDOSO, MARIANA SANTOS ; FUJIWARA, RICARDO TOSHIO ; BUENO, LILIAN LACERDA ; SANTOS, RENATO LIMA ; CARVALHO, TATIANE FURTADO DE ; GARCIA, GIANI MARTINS ; PAES, PAULO RICARDO DE OLIVEIRA ; **GALDINO, ALEXSANDRO SOBREIRA ; GALDINO, A S, Galdino, Alexsandro Sobreira.** ; CHÁVEZ-FUMAGALLI, MIGUEL ANGEL ; MELO, MARÍLIA MARTINS ; SILVEIRA-LEMOS, DENISE ; MARTINS-FILHO, OLINDO ASSIS ; DUTRA, WALDEREZ ORNELAS ; MOSQUEIRA, VANESSA CARLA FURTADO ; GIUNCHETTI, RODOLFO CORDEIRO . Vaccination with Formulation of Nanoparticles Loaded with Leishmania amazonensis Antigens Confers Protection against Experimental Visceral Leishmaniasis in Hamster. *Vaccines* **JCR**, v. 11, p. 111-14, 2023.

Koh, CC ; Neves, EGA ; Souza-Silva, TG ; Carvalho, AC ; Pinto, CHR ; **GALDINO, A S, Galdino, Alexsandro Sobreira.** ; **GALDINO, A S, Galdino, Alexsandro Sobreira.** ; Gollob, KJ ; Dutra, W.O . Cytokine Networks as Targets for Preventing and Controlling Chagas Heart Disease. *PATHOGENS* **JCR**, v. 12, p. 1, 2023.

Lage, DP ; Machado, AS ; Freitas, CS ; Vale, DL ; Linhares, FP ; Cardoso, J.M.O ; Oliveira-da-Silva, JA ; Ramos, FF ; Pereira, IAG ; Ludolf, F ; TAVARES, GRASIELE S.V. ; Bandeira, RS ; Oliveira, J.S ; Menezes-Souza, D ; Duarte, MC ; **GALDINO, A S, Galdino, Alexsandro Sobreira.** ; **GALDINO, A S, Galdino, Alexsandro Sobreira.** ; Christodoulides, M ; Chávez-Fumagalli, MA ; Roat, BM ; Martins, VT ; Coelho EAFC . Recombinant endonuclease III protein from Leishmania infantum associated with Th1-type adjuvants is immunogenic and induces protection against visceral leishmaniasis. *MOLECULAR IMMUNOLOGY* **JCR**, v. 155, p. 79-90, 2023.

MARIANO, REYSLA MARIA DA SILVEIRA ; GONÇALVES, ANA ALICE MAIA ; OLIVEIRA, DIANA SOUZA DE ; RIBEIRO, HELEN SILVA ; PEREIRA, DIOGO FONSECA SOARES ; SANTOS, INGRID SOARES ; LAIR, DANIEL FERREIRA ; SILVA, AUGUSTO VENTURA DA ; **GALDINO, ALEXSANDRO SOBREIRA ; GALDINO, A S, Galdino, Alexsandro Sobreira.** ; CHÁVEZ-FUMAGALLI, MIGUEL ANGEL ; SILVEIRA-LEMOS, DENISE DA ; DUTRA, WALDEREZ ORNELAS ; GIUNCHETTI, RODOLFO CORDEIRO . A Review of Major Patents on Potential Malaria Vaccine Targets. *PATHOGENS* **JCR**, v. 12, p. 247, 2023.

Dias, D.S ; Machado, JM ; Ribeiro, P.A.F ; Ramos, FF ; Nogueira, L.M ; Gonçalves, A.A.M ; Ramos, LS ; Gandra, I.B ; Coutinho, F.S ; Santos, M ; Silva, J.O ; Chavez-Fumagalli, MA ; Teixeira-Neto, RG ; Chaves, AT ; Campos da Paz, M ; Souza, AA ; Giunchetti, R.C ; Freitas, S.M ; Lyon, S ; Magalhães-Soares, DF ; Silveira, JAG ; Silva, E.S ; Coelho EAFC ; **GALDINO, A S, Galdino, Alexsandro Sobreira.** ; **GALDINO, A S, Galdino, Alexsandro Sobreira.** . rMELEISH: A Novel Recombinant Multi-epitope-Based Protein Applied to the Serodiagnosis of Both Canine and Human Visceral Leishmaniasis. *PATHOGENS* **JCR**, v. 12, p. 1-13, 2023.

MACHADO, JULIANA MARTINS ; PEREIRA, ISABELA AMORIM GONÇALVES ; MAIA, ANA CLARA GONTIJO ; FRANCISCO, MARIANA FERRAZ CHAVES ; NOGUEIRA, LAIS MOREIRA ; GANDRA, ISADORA BRAGA ; RIBEIRO, ANNA JULIA ; SILVA, KAMILA ALVES ; RESENDE, CARLOS ANANIAS APARECIDO ; DA SILVA, JONATAS OLIVEIRA ; DOS SANTOS, MICHELLI ; GONÇALVES, ANA ALICE MAIA ; TAVARES, GRASIELE DE SOUSA VIEIRA ; CHÁVEZ-FUMAGALLI, MIGUEL ANGEL ; CAMPOS-DA-PAZ, MARIANA ; GIUNCHETTI, RODOLFO CORDEIRO ; ROCHA, MANOEL OTÁVIO DA COSTA ; CHAVES, ANA THEREZA ; COELHO, EDUARDO ANTÔNIO FERRAZ ; **GALDINO, ALEXSANDRO SOBREIRA ; GALDINO, A S, Galdino, Alexsandro Sobreira.** . Proof of Concept of a Novel Multi-epitope Recombinant Protein for the Serodiagnosis of Patients with Chagas Disease. *PATHOGENS* **JCR**, v. 12, p. 312, 2023.

SOYER, TAUANE G. ; RAMOS, FERNANDA F. ; PEREIRA, ISABELA A. G. ; LAGE, DANIELA P. ; BANDEIRA, RAQUEL S. ; DE JESUS, MARCELO M. ; COSTA, GUILHERME P. ; MACHADO, AMANDA S. ; FREITAS, CAMILA S. ; VALE, DANNIELE L. ; MARTINS, VÍVIAN T. ; **GALDINO, ALEXSANDRO S. ; GALDINO, A S, Galdino, Alexsandro Sobreira.** ; CHÁVEZ-

FUMAGALLI, MIGUEL A. ; MENEZES-SOUZA, DANIEL ; DUARTE, MARIANA C. ; ROATT, BRUNO M. ; COELHO, EDUARDO A. F. ; TAVARES, GRASIELE S. V. . Immunotherapy Using Immunogenic Mimotopes Selected by Phage Display plus Amphotericin B Inducing a Therapeutic Response in Mice Infected with *Leishmania amazonensis*. *PATHOGENS JCR*, v. 12, p. 314, 2023.

Moraes, FAA ; Duarte, CL ; Fernandes, GO ; Ribeiro, LALR ; Rodrigues, LM ; Lacerda, JAS ; Silva, LS ; Silva, J.O ; Santos, M ; Dantas, AS ; Chávez-Fumagalli, MA ; Campos da Paz, M ; Giunchetti, R.C ; Coelho, EAF ; Machado, JM ; **GALDINO, A S, Galdino, Alexandro Sobreira. ; GALDINO, A S, Galdino, Alexandro Sobreira.** . A Mini-Review on Potentials Proteins/Peptides Applied for Serodiagnosis of Human Monkeypox Infection and Future Trends. *PROTEIN AND PEPTIDE LETTERS JCR*, v. 30, p. 1, 2023.

Silva, JP ; Silva, W.R ; Billa, WC ; **GALDINO, A S, Galdino, Alexandro Sobreira. ; GALDINO, A S, Galdino, Alexandro Sobreira.** ; Romano, MCC ; Café, ACC ; Vasconcelos, NN ; Campos, CG ; Muniz, LA ; Lamounier, J.A . Body fat cutoffs measured by isotopic dilution with deuterium oxide in adolescents. *GLOBAL JOURNAL FOR RESEARCH ANALYSIS*, v. 12, p. 156-159, 2023.

VILCA-ALOSILLA, JUAN JEFERSON ; CANDIA-PUMA, MAYRON ANTONIO ; CORONEL-MONJE, KATIUSCA ; GOYZUETA-MAMANI, LUIS DANIEL ; **GALDINO, ALEXSANDRO SOBREIRA ; GALDINO, A S, Galdino, Alexandro Sobreira.** ; MACHADO-DE-ÁVILA, RICARDO ANDREZ ; GIUNCHETTI, RODOLFO CORDEIRO ; FERRAZ COELHO, EDUARDO ANTONIO ; CHÁVEZ-FUMAGALLI, MIGUEL ANGEL . A Systematic Review and Meta-Analysis Comparing the Diagnostic Accuracy Tests of COVID-19. *Diagnosics JCR*, v. 13, p. 1549, 2023.

de Sousa, TPP ; Cantão, LXS ; Rodrigues, MQRB ; GONCALVES, D. B. ; Nagem, RAP ; Rocha, REO ; Godoi, RR ; Lima, W.J.N ; **GALDINO, A S, Galdino, Alexandro Sobreira. ; GALDINO, A S, Galdino, Alexandro Sobreira.** ; Minardi, RCM ; Lima, LHF . Glycosylation and charge distribution orchestrates the conformational ensembles of a biotechnologically promissory phytase in different pHs ? A computational study. *JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS JCR*, v. 1, p. 1-1, 2023.

Vale, DL ; Freitas, CS ; Martins, VT ; Moreira, GJL ; Machado, AS ; Ramos, FF ; Pereira, IAG ; Bandeira, RS ; Jesus, MM ; Tavares, GSV ; Ludolf, F ; CHAVEZ-FUMAGALLI, M. A. ; **GALDINO, A S, Galdino, Alexandro Sobreira. ; GALDINO, A S, Galdino, Alexandro Sobreira.** ; Fujiwara, RT ; Bueno, LL ; Roat, BM ; Christodoulides, M ; Coelho, EAF ; Lage, DP . Efficacy of an immunotherapy combining immunogenic chimeric protein plus adjuvant and amphotericin B against murine visceral leishmaniasis. *BIOLOGY JCR*, v. 12, p. 1, 2023.

Thomasi, RMO ; Correa, TS ; Carmo, DS ; Rodrigues, DF ; Correa, LVS ; Xavier, SR ; Silva, LS ; Silva, J.O ; Santos, M ; Dantas, AS ; Campos da Paz, M ; Chavez-Fumagalli, MA ; Giunchetti, R.C ; Coelho, EAF ; Machado, JM ; **GALDINO, A S, Galdino, Alexandro Sobreira. ; GALDINO, A S, Galdino, Alexandro Sobreira.** . Molecular methods for diagnosis of monkeypox: A mini-review. *CURRENT MOLECULAR MEDICINE JCR*, v. 23, p. 1, 2023.

Siqueira, WF ; Cardoso, MS ; Fraga, VG ; Ottino, J ; Ribeiro, VM ; Gondim, CN ; Barçante, JMP ; Gomes, ACA ; Eersels, K ; Grinsven, BV ; Bartholomeu, DC ; Bueno, LL ; **GALDINO, A S, Galdino, Alexandro Sobreira. ; GALDINO, A S, Galdino, Alexandro Sobreira.** ; Cleij, T ; FUJIWARA, R. T. . Prediction of immunogenic epitopes of rDyn-1 and rKDDR- plus proteins of *Leishmania infantum* by bioinformatics and peptide selection by immunoblotting screening approach for the serodiagnosis of asymptomatic dogs with leishmaniasis. *PLoS Neglected Tropical Diseases JCR*, v. 17, p. 1-23, 2023.

Silva, JGL ; Gonçalves, A.A.M ; Oliveira, LT ; Garcia, GM ; Batista, MA ; Mendonça, LZ ; Viana, KF ; Sant?Ana, RCO ; Melo-Júnior, OA ; Silveira-Lemos, D ; Dutra, W.O ; Martins-Filho, O.A ; **GALDINO, A S, Galdino, Alexandro Sobreira. ; GALDINO, A S, Galdino, Alexandro Sobreira.** ; De Moura, SAL ; Mosqueira, VCF ; Giunchetti, R.C . Polymeric delivery systems as a potential vaccine against visceral leishmaniasis: formulation development and immunogenicity. *Vaccines JCR*, v. 11, p. 1, 2023.

Silva, GG ; Zaldívar, MF ; Oliveira, L.A.R ; Mariano, R.M.S ; Lair, D.F ; Souza, RA ; **GALDINO, A S, Galdino, Alexandro Sobreira. ; GALDINO, A S, Galdino, Alexandro Sobreira.** ; Chavez-Fumagalli, MA ; Lemos, DS ; Dutra, W.O ; Araújo, RN ; Ferreira, LL ; Giunchetti, R.C . Advances in Non-Chemical Tools to Control Poultry Hematophagous Mites. *VETERINARY SCIENCES JCR*, v. 10, p. 1, 2023.

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**Sobreira.** ; **GALDINO, A S, Galdino, Aleksandro Sobreira.** ; Chavez-Fumagali, MA ; Lemos, DS ; Dutra, W.O ; Araújo, RN ; Ferreira, LL ; Giunchetti, R.C . Advances in Non-Chemical Tools to Control Poultry Hematophagous Mites. VETERINARY SCIENCES **JCR**, v. 10, p. 1, 2023.

**SOBREIRA GALDINO, ALEXSANDRO**; TEIXEIRA DE FARIA, MARIANA ; DOS SANTOS, MICHELLI ; OLIVEIRA DA SILVA, JONATAS ; BRAGA GANDRA, ISADORA ; JULIA RIBEIRO, ANNA ; ALVES SILVA, KAMILA ; MOREIRA NOGUEIRA, LAIS ; MARTINS MACHADO, JULIANA ; MARIA DA SILVEIRA MARIANO, REYSLA ; MAIA GONÇALVES, ANA ALICE ; LUDOLF, FERNANDA ; ANTONIO CANDIA-PUMA, MAYRON ; CHÁVEZ-FUMAGALLI, MIGUEL ANGEL ; CAMPOS-DA-PAZ, MARIANA ; CORDEIRO GIUNCHETTI, RODOLFO . A mini-review on ELISA-Based Diagnosis of Schistosomiasis. CURRENT MOLECULAR MEDICINE **JCR**, v. 23, p. 1, 2023.

SOUZA, MARILEN ; MACHADO, JULIANA ; DA SILVA, JONATAS ; RAMOS, LUANA ; NOGUEIRA, LAIS ; RIBEIRO, PATRÍCIA ; DIAS, DANIEL ; SANTOS, JOSIANE ; SANTOS, JOSÉ CARLOS ; NÓBREGA, YANNA ; SOUZA, AMANDA ; FREITAS, SONIA ; DA PAZ, MARIANA CAMPOS ; FELIPE, MARIA ; TORRES, FERNANDO ; **GALDINO, ALEXSANDRO** ; **GALDINO, A S, Galdino, Aleksandro Sobreira.** . Rational Design and Evaluation of the Recombinant Multiepitope Protein for Serodiagnosis of Rubella. CURRENT PHARMACEUTICAL BIOTECHNOLOGY **JCR**, v. 23, p. 1094-1100, 2022.

PEREIRA, DIOGO FONSECA SOARES ; RIBEIRO, HELEN SILVA ; GONÇALVES, ANA ALICE MAIA ; DA SILVA, AUGUSTO VENTURA ; LAIR, DANIEL FERREIRA ; DE OLIVEIRA, DIANA SOUZA ; BOAS, DIEGO FERNANDES VILAS ; CONRADO, INGRID DOS SANTOS SOARES ; LEITE, JAQUELINE COSTA ; BARATA, LUCCAS MIRANDA ; REIS, PEDRO CAMPOS CARVALHAES ; MARIANO, REYSLA MARIA DA SILVEIRA ; SANTOS, THAIZA ALINE PEREIRA ; COUTINHO, DANIELLE CARVALHO OLIVEIRA ; GONTIJO, NELDER DE FIGUEIREDO ; ARAUJO, RICARDO NASCIMENTO ; **GALDINO, ALEXSANDRO SOBREIRA** ; **GALDINO, A S, Galdino, Aleksandro Sobreira.** ; PAES, PAULO RICARDO DE OLIVEIRA ; MELO, MARÍLIA MARTINS ; NAGEM, RONALDO ALVES PINTO ; DUTRA, WALDEREZ ORNELAS ; SILVEIRA-LEMOS, DENISE DA ; RODRIGUES, DANIEL SOBREIRA ; GIUNCHETTI, RODOLFO CORDEIRO . Rhipicephalus microplus: An overview of vaccine antigens against the cattle tick. Ticks and Tick-Borne Diseases **JCR**, v. 13, p. 101828, 2022.

DA SILVA, JONATAS OLIVEIRA ; DOS SANTOS, MICHELLI ; SILVA, ANA AMÉLIA MAIA ; FERREIRA, ANDRÉ VINÍCIUS FERNANDES ; NOGUEIRA, LAÍS MOREIRA ; GANDRA, ISADORA BRAGA ; JUNIOR, SILVIO JOSÉ ELISEI CARVALHO ; MACHADO, JULIANA MARTINS ; GONÇALVES, ANA ALICE MAIA ; GIUNCHETTI, RODOLFO CORDEIRO ; CAMPOS-DA-PAZ, MARIANA ; **GALDINO, ALEXSANDRO SOBREIRA** ; **GALDINO, A S, Galdino, Aleksandro Sobreira.** . A biotechnological review on patents applied to rubella diagnosis. RECENT PATENTS ON BIOTECHNOLOGY, v. 16, p. 1, 2022.

Faria, MT ; Gandra, I.B ; Maia, ACG ; Carvalho-Junior, SJE ; Silva, J.O ; Santos, M ; Rodrigues, RAL ; Ribeiro, AJ ; Silva, KA ; Silva, LS ; Oliveira, AE ; Carvalho, EC ; Gomes, KS ; Nogueira, L.M ; Gonçalves, A.A.M ; Silva, E.S ; Giunchetti, R.C ; Machado, JM ; Campos da Paz, M ; **GALDINO, A S, Galdino, Aleksandro Sobreira.** ; **GALDINO, A S, Galdino, Aleksandro Sobreira.** . Brazilian vaccines against SARS-CoV-2 under development. CIÊNCIA EM MOVIMENTO (IMPRESSO), v. 2, p. 13, 2022.

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Ribeiro, H.S ; Pereira, D ; Melo-Junior, O ; Mariano, R.M.S ; Leite, J.C ; Silva, AV ; De Oliveira, D.S ; Gonçalves, A.A.M ; Lair, D.F ; Soares, I ; Santos, T.A.P ; **GALDINO, A S, Galdino, Alessandro Sobreira.** ; **GALDINO, A S, Galdino, Alessandro Sobreira.** ; Giunchetti, D.S.L ; Paes, PRO ; Melo, M ; Dutra, W.O ; Araújo, R ; Giunchetti, R.C . Vaccine approaches applied to controlling dog ticks. Ticks and Tick-Borne Diseases **JCR**, v. 1, p. 1, 2021.

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