

EUSEBIO S PIRES

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Managed a dynamic, independent and multi-disciplinary portfolio, focusing on methodological development of novel diagnostic and therapeutic approaches for treatment of cancers. Partnered and collaborated with biotechnology and pharmaceutical companies towards target discovery, characterization and development of biological therapeutics. Recognized for establishing clinical and scientific research collaborations as a project leader. Demonstrated good organizational, prioritization, verbal/written communication and interpersonal social skills and known to work independently as well as in teams.

Expertise include:

- Multidisciplinary Team Manager and establishing collaborations
- Project and Lab Management/Administrator
- Recruitment, training and empowerment of researchers
- Mentoring and Instructor of research activities
- Peer Reviewing and Editorial member for journals
- Proficiency in Microsoft Office, Adobe
- Assay Development in Cell, Molecular and Biochemistry
- IRB for human and animal protocols
- BSL2 trained for handling biologicals, clinical material and skilled in small animal procedures and surgery
- Translational biologist, developing immunoassays, In vitro cell culture based assays

PROFESSIONAL WORK EXPERIENCE

Instructor of Research in Obstetrics and Gynecology

Center for Innovative Technology Eminent Researcher. University of Virginia, USA. Since December 2014.

- Received the prestigious grant which enabled me to set up my own laboratory and manage its research as well as financial/administrative activities, trained around 50 research associates/students/scholars. I built collaborative research program in translational science engaging both basic and clinical scientists, published in key journals paving a path towards being an independent researcher with the know-how of scientific and laboratory management and administration.
- Contributed to building a model program for interdisciplinary academic-industrial interaction in cancer innovation. The overall goal of this translational clinical research program was to develop antibody-drug immunotherapy conjugates and a companion diagnostic to the cancer-oocyte SAS1B protein.
- Developed new layers of University- owned intellectual property with composition of matter claims on SAS1B target biology, CDR regions of monoclonal antibodies and utility claims in various cancer indications. Approved patent: US Patent # 9,244,075 B2 awarded on 26th January 2016.

Research Scientist in Cell Biology

University of Virginia, Charlottesville, VA, USA. October 2013 – December 2014

- Strengthened the translational cancer biology research and characterize the cancer neoantigen SAS1B metalloprotease.
- Demonstrated of cancer cell killing properties of a SAS1B antibody in *in vitro* cell culture assays via cancer Immunotherapy (antibody drug conjugate, ADC) based approaches. Developed and characterized therapeutic and diagnostic monoclonal antibodies. Simultaneously I developed a mouse tumor model for testing ADC.
- Published in the journal of Oncotarget while several provisional patents were filed in parallel. A spin-out company, Neoantigenics LLC was established from our research findings which then attracted partners like Pfizer.

NIH Fogarty International Postdoctoral Research Fellow & Research Associate in Cell Biology

University of Virginia, Charlottesville, VA, USA. October 2008- September 2013

- Awarded the NIH fellowship to investigate the contraceptive potential of SAS1B in mammals. Developed a SAS1B immunoassay which enabled precise spatial and temporal restriction of SAS1B protein in the ovary and its role in fertilization.
- Attracted Pharmaceutical such as AstraZeneca to fund a new arena for developing novel reversible non-steroidal contraceptive targets. Such agents would target only developing eggs while sparing ovarian reserves, thereby allowing a female to resume egg production once the contraceptive is discontinued.
- Generated a SAS1B knock-out mouse and took a lead in characterizing the knock-out mice. Findings were published in the journals of Developmental Biology and Developmental Dynamics.

Council of Scientific & Industrial Research' Senior Research Fellow in Gamete Immuno Biology

National Institute for Research in Reproductive Health (ICMR), Mumbai, India. April 2006- September 2008

- Developed the patient consent forms and the Institutional ethical review board protocol, interacted with patients and obtained consent for this clinical study, developed a novel diagnostic test for the testing of ovarian autoantibodies and demonstrated its benefit in the *in vitro* fertilization-embryo transfer programs thus improving success rates of the clinics.
- Spun 11 publications (as a part of the Ph.D program) and established strong collaborations with IVF and infertility labs that utilized the diagnostic test in their clinics.

Medical Executive- Underwriting division

Birla SunLife Insurance Company, Mumbai, India. December 2001-July 2002

- Interviewed, appointed and established renowned network of medical doctors/ general practitioners and hospitals/clinics in India to assess the creditworthiness or risk of a potential customer/s by providing medical related services which were utilized for the underwriting process of the insurance policies.
- Served as a consultant for field specialists requiring access to database of medical services or doctors within business sectors of the insurance network.
- Managed payments and accounts of vouchers/bills payable to the healthcare service providers.

EDUCATION AND PROFESSIONAL DEVELOPMENT

- Executive MBA (enrolled, to graduate as the Class of 2019) University of Virginia- Darden School of Business.
- Ph.D in Applied Biology (Specialized in Reproductive Immunology) University of Mumbai, Mumbai, India. February 2008. Dissertation title: Identification and Characterization of immunodominant antigen/s involved in ovarian autoimmunity.
- M.S in Biochemistry (Specialization in Clinical Biochemistry) University of Mumbai, Mumbai, India. May 2001. Passed with Distinction and 75.20%. Topped the University at the FIRST place in Biochemistry. Dissertation title: Honey: Anti- Staphylococcal and Biochemical properties.
- B.S with Honors (Major: Zoology & Biochemistry, Minor: Entomology) University of Mumbai, Mumbai, India (St. Xavier's College). May 1999. Passed with Distinction and 87.25%. University topper at the FOURTH place overall, FIRST in Biochemistry and FIRST in the College. Honors dissertation: Conservation strategies for Elephants in the local Zoo in Mumbai. Honors GPA: 'A'