EUROPEAN MEDICINES AGENCY
SCIENCE MEDICINES HEALTH

Curriculum Vitae

Personal information

Tenzin Dagpo

Work experience

Current position: Senior Evaluator, Therapeutic Goods Administration, Australia

- October, 2022 - present
- Position: Senior Evaluator
- Therapeutic Goods Administration, Australia
- Main activities: Scientific and regulatory assessment of biological medicines, including vaccines, anti-venoms and toxins to assess manufacturing quality, ensuring compliance with Australian and international guidelines; Providing evidence-based recommendations to internal delegates and executive decision-makers; Participating in cross-functional discussions to support strategic planning, policy updates, and operational improvements.

Evaluator, Therapeutic Goods Administration

- September 2021 - September 2022
- Position: Evaluator
- Therapeutic Goods Administration, Australia
- Main activities: Applying a risk-based framework to evaluate product quality, safety and efficacy of biomedicines, based on evaluation of scientific data and regulatory guidelines; Making scientifically sound recommendations to the delegate for pre- and post-market monitoring of biomedicines.

Education and training

PhD in Medical Science
The Australian National University – Australia

- Start: Feb 2016 | End: Dec 2020
- Thesis title: Genetic divergence in two NODk mice strains with varied diabetic penetrance
- Subject/skills: Genetics & Genomics: In-depth understanding of genetic variation, inheritance patterns, and molecular mechanisms underlying disease susceptibility; Immunology: Expertise in autoimmune disease models, particularly Type 1 diabetes, and immune system regulation; Animal Models of Disease: Skilled in designing and interpreting experiments using murine models (NOD mice) for translational research; Molecular Biology Techniques: Proficient in genotyping, PCR, sequencing, and gene expression analysis; Bioinformatics & Data Analysis: Experience with genetic data interpretation, statistical analysis, and software tools for genomic comparison; Pathophysiology of Diabetes: Detailed knowledge of disease mechanisms, progression, and genetic penetrance in autoimmune diabetes; Comparative Genomics: Analysis of genetic divergence and its phenotypic implications across closely related strains.

MPhil (research) in Medical Science
The Australian National University – Australia

- Start: Feb 2013 | End: July 2015
- Thesis title: The role of adipose tissue in the pathogenesis of non-alcoholic steatohepatitis
- Subject/skills: Metabolic Disease Pathophysiology: Advanced understanding of NASH, obesity-related inflammation, and metabolic syndrome; Adipose Tissue Biology: Investigated the endocrine and immunological roles of adipose tissue in liver disease progression.
  Liver Pathology & Mechanisms of Injury: Explored cellular and molecular pathways linking adipose dysfunction to hepatic steatosis and fibrosis; Inflammation & Immunometabolism: Studied cytokine signalling, immune cell infiltration, and systemic inflammatory responses; Experimental Design & Animal Models: Experience with preclinical models of metabolic liver disease and tissue analysis; Histology & Molecular Techniques: Skilled in tissue staining, microscopy, and molecular assays (e.g., qPCR, ELISA).

MSc in Biotechnology
The Australian National University – Australia

- Start: Feb 2011 | End: Dec 2011
- Subject/skills: Molecular & Cellular Biology: Strong foundation in gene expression, protein synthesis, and cellular signalling pathways; Genetic Engineering & Recombinant DNA Technology: Knowledge of cloning, vector design, and gene manipulation techniques; Bioprocessing & Biomanufacturing: Understanding of upstream and downstream processing in biologics production, including fermentation and purification; Immunology & Vaccine Technology: Exposure to immune system mechanisms and principles of vaccine development and delivery; Microbiology & Virology: Studied microbial systems relevant to biotechnology and infectious disease control;
  Bioinformatics & Data Analysis: Experience with computational tools for sequence analysis, protein modelling, and biological databases; Ethics & Commercialisation: Understanding of ethical considerations and pathways for translating biotech innovations to market.

BSc (Hons) in Biomedical Science
London Metropolitan University - United Kingdom

- Start: September 2007 | End: June 2010
- Subject/skills: Human Physiology & Pathophysiology: Solid foundation in organ systems, blood physiology, and disease mechanisms; Immunology: Studied immune system components, antigen-antibody interactions, and immune responses relevant to infection and vaccination; Haematology: Explored red blood cell biology, blood disorders, and diagnostic techniques; Cell Biology & Biochemistry: Understanding of cellular processes, protein function, and metabolic pathways; Microbiology & Infectious Diseases: Exposure to bacterial, viral, and parasitic pathogens and host-pathogen interactions; Clinical Diagnostics: Familiarity with laboratory testing, interpretation of results, and quality control procedures.

Additional information

Publications

- Dagpo TD, Nolan CJ, Delghingaro-Augusto V. Exploring therapeutic targets to reverse or prevent the transition from metabolically healthy to unhealthy obesity. Cells. 2020;9(7):1596. doi:10.3390/cells9071596
- Golden T, Robles-Matos N, Dagpo T, Bansal A. Immunomodulatory role of EDCs in disrupting metabolic health. In: Bansal A, ed. Endocrine Disruption and Human Health. 1st ed. Elsevier; 2021:341–354. doi:10.1016/B978-0-12-821985-0.00010-4
- Dagpo TD, Nolan CJ, Delghingaro-Augusto V. Exploring therapeutic targets to reverse or prevent the transition from metabolically healthy to unhealthy obesity [Internet]. Canberra: Australian National University; 2020 [cited 2025 Sep 3]. Available from: https://researchportalplus.anu.edu.au/en/publications/exploring-therapeutic-targets-to-reverse-or-prevent-the-transitio

Projects

Memberships

Other Relevant Information