

Curriculum vitae, Thomas A. Rasmussen

Personal Information:

Name: Thomas A. Rasmussen

Date of birth: 6 May 1976

Academic degrees and qualifications:

2022	Associate Professor at Aarhus University, Denmark
2021	Associate Professor at Melbourne University, Australia
2014	PhD degree in Medicine, Aarhus University, Denmark
2006	Master's degree in Medicine (Cand. Med.), Aarhus University, Denmark

Medical registrations:

2018-2019	Registered Medical Practitioner, Medical Board of Australia, with limited registration for teaching and research (Registration Number: MED0001980181)
2015-2016	Registered Medical Practitioner, Medical Board of Australia, with limited registration for teaching and research (Registration Number: MED0001980181)
2007	Permission to practice medicine independently (B-authorization; issued by The Danish Board of Health); currently registered to practice medicine in Denmark, authorization ID: WC064
2006	Authorization to practice medicine under supervision (issued by The Danish Board of Health)

Career summary:

I am a physician and clinical researcher with an MD and PhD degree from Aarhus University, Denmark. I have established a productive research career with 75 scientific publications and a current H-index of 28, whilst also maintaining clinical practice. These studies include primary authorship on several clinical trials in *The Lancet HIV*, one of the highest-ranking scientific journals in infectious diseases.

As a clinician scientist I have been actively engaged in HIV research since 2010. My research has included translational studies and clinical trials collectively aimed at understanding how and where HIV persists in individuals on antiviral therapy. More recently, I have initiated a research program focused on hepatitis B persistence and cure. My expertise is recognised internationally as evidenced by 15 invited overview talks at international conferences and meetings, including a plenary talk at the AIDS Conference 2022 in Montreal, and by 17 invited reviews and commentaries. Through positions as postdoc and in the period 2018-2021 as Associate Clinical Director for HIV Cure Studies at The Doherty Institute of Infection and Immunity, University of Melbourne, I have gained considerable leadership experience and established an extensive international network. I am part of both the EU2Cure

Collaboratory, a European consortium of clinical and basic science research groups involved in HIV cure studies, as well as the NIH-funded Delaney AIDS Research Enterprise to Cure HIV (DARE) Collaboratory, an international multi-disciplinary research program into HIV cure strategies. Being part of these collaboratives provides excellent opportunities for engaging multiple scientific partners within and outside the EU. My ongoing research is focused on understanding and targeting HBV and HIV persistence on ART as a strategy towards a cure.

As a clinician, I am broadly engaged across the infectious disease discipline but, aligned with my research, my main areas of expertise are chronic viral infections like hepatitis B and HIV. I am highly committed both to the production of new data and knowledge in these areas, but also to acquire, understand, interpret and implement new findings that can or should impact treatment guidelines.

Current and previous postgraduate positions:

Mar 2025 –	Infectious Disease Consultant, Department of Infectious Diseases, Aarhus University Hospital, Denmark
April 2022 –	Associate Professor of Clinical Virology, Aarhus University Denmark
Jan 2021 –	Associate Professor, Doherty Institute for Infection and Immunity, University of Melbourne, Australia (Honorary position from August 2021 and onwards)
Aug 2021 – Feb 2025	Infectious Disease Registrar, Department of Infectious Diseases, Aarhus University Hospital, Denmark
Oct 2018 – July 2021	Associate Clinical Director for HIV cure studies, Doherty Institute for Infection and Immunity, University of Melbourne, Australia
Jun 2018 – Aug 2018	Infectious Disease Registrar, Department of Clinical Microbiology, Aarhus University Hospital, Denmark
Sep 2016 – May 2018	Infectious Disease Registrar, Department of Medicine, Randers Regional Hospital
Sep 2015 – Aug 2016	Research fellow, Doherty Institute for Infection and Immunity, University of Melbourne, Australia
Mar 2015 – Aug 2015	Infectious Disease Registrar, Department of Infectious Diseases, Aarhus University Hospital, Denmark
Aug 2014 – Feb 2015	Postdoctoral researcher, Department of Infectious Diseases, Aarhus University Hospital, Denmark
Jan 2014 – Jun 2014	International stay as honorary Research Fellow, Department of Infectious Diseases, Alfred Hospital, Melbourne, Australia
May 2011 - Jul 2014	PhD Student, Aarhus University
May 2010 – Apr 2011	Clinical Research Assistant, Department of Infectious Diseases, Aarhus University Hospital, Denmark

May 2009 – Apr 2010	Resident, Department of Infectious Diseases, Aarhus University Hospital, Denmark
Nov 2007 - Feb 2009	Resident, Department of Medicine, Silkeborg Regional Hospital, Denmark
May 2006 - Oct 2007	Internship, Aarhus Hospital, Denmark

Publication overview:

A total of 75 peer-reviewed publications incl. 58 primary publications and 17 invited reviews/commentaries.

Key bibliometric data:

- Current H-index: 28 (Scopus, 07/01/2025)
- Total citations: 3230 (Scopus, 07/01/2025)
- Publications in high-impact journals such as Lancet, BMJ, Science Translational Medicine, Nature Medicine and Lancet HIV
- 66% of publications as part of international collaboration
- Field-weighted citation impact 1.3

Invited speaker and oral presentations at international conferences:

2025	Invited speaker, Keystone Symposium on HIV Cure, Durban, South Africa
2024	Invited speaker, Hot topics in HIV: Vaccines, Immune recovery, and Eradication, Barcelona, Spain
2024	Invited speaker, Northern Light: Innovative HIV Care, Stockholm, Sweden
2024	Invited speaker, AIDS Clinical Trials Group Scientific Retreat 2024, USA
2022	Invited plenary speaker, Nordic HIV and Virology Conference, Stockholm, Sweden
2022	Invited plenary speaker, AIDS Conference 2022, Montreal, Canada
2022	Invited speaker, European Congress of Clinical Microbiology and Infectious Diseases, Portugal
2021	Science Spotlight Presentation, Conference on Retroviruses and Opportunistic Infections, USA
2020	Invited speaker, Australasian HIV&AIDS and Sexual Health Conference, Melbourne, Australia
2020	Oral abstract, Australian Centre for HIV and Hepatitis Virology Research Conference, Australia
2020	Oral abstract, Conference on Retroviruses and Opportunistic Infections, Boston, USA
2019	Oral abstract, 8th International Workshop on HIV Persistence During Therapy, Miami, USA

2019	Invited speaker at the 10th International AIDS Society (IAS) Conference on HIV Science, Mexico City, Mexico
2019	Invited keynote speaker at SEV-GVN 2019: XV Congress of the Spanish Society of Virology / 11th International Meeting of The Global Virus Network, Barcelona, Spain
2018	Oral abstract, Conference on Retroviruses and Opportunistic Infections, Boston, USA
2017	Oral abstract, 7th International Workshop on HIV Persistence During Therapy, Miami, USA
2016	Invited speaker, 7th Asian Congress of Tropical Medicine and Parasitology, Indonesia
2015	Invited speaker, Keystone Symposium on Mechanisms of HIV Persistence: Implications for a Cure, Boston, USA
2013	Invited speaker, 6th International Workshop on HIV Persistence During Therapy, Miami, USA
2013	Invited speaker, AIDS Clinical Trials Group Scientific Retreat 2013, Atlanta, USA
2012	Poster and oral presentation, Conference on Retroviruses and Opportunistic Infections, Seattle, USA
2011	Invited speaker, Scandinavian Society for Antimicrobial Chemotherapy Annual Meeting 2011, Reykjavik, Iceland

Scientific awards

2015	The Danish AIDS Foundation's Research Award
2012	Scientific Award, "The most innovative research idea", Aarhus University Hospital Research Council
2012	Young Investigator Award, 19th Conference on Retroviruses and Opportunistic Infections, 2012, Seattle, USA.
2010	Poster award, Scandinavian Society for Antimicrobial Chemotherapy (SSAC) Annual Meeting 2010, Stockholm.

Research training and supervision:

- Has been co-supervisor for 5 junior research year students (honours projects) at Aarhus University, Denmark (all successfully completed)
- Has been co-supervisor for 2 PhD students at Aarhus University, Denmark (both successfully completed)
- Currently co-supervisor for 1 PhD student at University of Melbourne (thesis submitted, final approval pending)
- Currently, main supervisor for 2 PhD students and 1 postdoc at Aarhus University, Denmark

Teaching activities:

- 2010 – Teaching, supervision and lecturing at post-graduate courses in scientific methods for medical registrars during their specialty training, approx. 4 courses per year
- 2012 – 2018 Teaching for 7th and 9th semester medical students
- 2011 – 2018 Conducting clinic sessions for 12th semester medical students
- 2009 – 2013 External lecturer, Tropical Medicine and International Health, Aarhus University, Denmark
- 2008 – 2015 Teaching at course in clinical examination, 3rd semester medical students, Aarhus University, Denmark
- 2006 – 2007 External lecturer, Course in International Health, Hygiene and Tropical Medicine, Copenhagen University
- 2005 Conducting course on participatory methods in development aid work, Danish Red Cross
- 2000 – 2002 Teaching organic biochemistry, School of Nutrition, Aarhus University, Denmark

Leadership experience and training

In my current and previous positions, I have provided scientific leadership of >25 clinical or translational research projects undertaken locally or as part of international collaborations. This has included PhD and post doc supervision. As Ass. Clinical Director for HIV Cure Studies at The Doherty Institute, I provided overview leadership of clinical and basic research projects in HIV cure, which included leading a clinical research team of senior researchers, research assistants, a laboratory manager and a clinical research coordinator.

In 2024, I completed “The Leadership Development Programme for Research Managers”, a course programme over 4 modules held by Aarhus University, designed was to enhance self-awareness and strengthen practical leadership skills within the unique framework that defines the leadership role at Aarhus University

International relations

I have gained international recognition for my expertise in HIV latency and persistence and have established an extensive and productive network of international collaborators. These achievements are evidenced by many invited talks at international conferences and meetings and by the majority of my publications done through international collaborations. I have reinforced this global integration through significant international mobility including >4 years at the University of Melbourne and by taking part in the DARE and EU2Cure collaborations.

Clinical trial experience:

- 2025 – Sponsor-Investigator on The PEACH Study: Pomalidomide as an immune-enhancing agent for the control of HIV: An investigator-initiated phase I/IIb clinical trial in people living with HIV on ART and during analytical treatment interruption.
- 2024 – Principal Investigator on The AMBER Study: Administration of the BCL-2 antagonist, venetoclax, to promote apoptosis of HIV-infected cells and reduce the size of the HIV reservoir: An investigator-initiated phase I/IIb clinical trial in people living with HIV on antiretroviral therapy
- 2018 – 2022 Investigator on The TITAN Study: Treatment Impact of combining a TLR9 agonist with two broadly neutralizing Antibodies on time to plasma viral rebound during analytical treatment interruption in HIV infected individuals: An investigator-initiated randomized, placebo-controlled, double-blinded international multicenter interventional phase IIa trial
- 2015 – 2016 Coordinating investigator on The Dolutegravir Impacts On Residual Replication (DIORR) Study, Doherty Institute for Infection and Immunity, University of Melbourne & Alfred Hospital, Melbourne
- 2014 – 2016 Investigator on The REDUC Study: An Open Phase I/IIa Study to Evaluate the Safety and Effect of Therapeutic HIV-1 Immunization using Vacc-4x + rhuGM-CSF, and HIV-1 Reactivation using Romidepsin, on the Viral Reservoir in Virologically Suppressed HIV-1 Infected Adults on cART, Aarhus University Hospital, Denmark
- 2012 – 2014 Principal investigator on The Safety and Efficacy of The Histone Deacetylase Inhibitor Panobinostat for Purging HIV-1 from The Latent Reservoir (CLEAR) Study, Aarhus University Hospital, Denmark
- 2011 Completed 3-day course in Good Clinical Practice, GCP-unit, Aarhus University, Denmark
- 2011 – 2012 Investigator on: A Phase 2, Randomized, Placebo-Controlled, Single-blind Trial to Assess the Safety, Tolerability, and Immunogenicity of rLP2086 Vaccine When Administered in Either 2- or 3-Dose Regimens in Healthy Subjects Aged ≥ 11 to < 19 Years, An industry-initiated multicentre trial
- 2009 – 2010 Investigator on: The Apixaban for the Prevention of Thrombosis-Related Events in Patients with Acute Medical Illness (ADOPT) Study, An industry-initiated multicentre clinical trial.
- 2008 – 2011 Investigator and primary author on: The Efficacy and Safety of Switching from Zidovudine to Tenofovir or Abacavir in HIV-infected patients (SWAP) Study, Investigator-initiated randomized clinical trial, Aarhus University Hospital, Denmark

Engagement activities:

Committees

- Aarhus University Hospital representative on DANHEP, a Danish nationwide clinical database on hepatitis B and C
- Member of the Editorial Board of the peer-reviewed journal AIDS
- Member of the 18th European AIDS Conference Scientific Committee (London 2021)
- Member of the Australasian Society for HIV Medicine (ASHM) Taskforce on Blood-Borne Viruses (BBV), Sexual Health and COVID-19
- Member of the organising committee for the 2013 Nordic Society of Clinical Microbiology and Infectious Diseases (NSCMID) Conference

Reviewer activities

- Performs scientific peer-reviews for multiple scientific journals including *Lancet HIV*, *Clinical Infectious Diseases*, *Proceedings of the National Academy of Sciences (PNAS)*, *AIDS*, *Frontiers in Immunology* and *EClinicalMedicine*.
- Grant application peer-reviews for the Dutch Aids Fonds and Triple I Clinical Academic Group, Advanced Health and Research Translation Centre, UNSW Sydney
- Scholarship application reviews for International AIDS Society

Community engagement

- Member of the HIV Cure Community Partnership Steering Committee in Australia
- Involved in the training of community members for the Melbourne HIV Cure Consortium
- Chairing bi-monthly HIV Cure meetings: A discussion forum on HIV cure research for between scientific staff and community organisation representatives
- Gave presentation on HIV cure for media representatives at the media scholarship training session at the International AIDS Society (IAS) 2019 Conference, Mexico City, Mexico
- Written several lay language articles around HIV cure in Danish and Australian media journals

Industry engagement

- Collaborated with and acted as a consultant for Bionor Pharma on the establishment of an investigator-initiated clinical trial in HIV
- Invited speaker at educational meeting organised by Viiv Healthcare (Aarhus 2015)
- Invited speaker at educational and scientific meeting organised by Gilead (Frontiers in HIV, Melbourne 2019)
- Invited speaker at educational and scientific meeting organised by Gilead (Singapore 2019)
- Established collaborative project on novel immunotherapeutic peptides with Leidos Biomedical Research, Inc., the operations and technical support contractor for the Frederick National Laboratory for Cancer Research, USA (2019 – ongoing)

- Actively engaged in on-going dialogue with key representatives from pharma companies involved in HIV cure research as exemplified by multiple research collaborations with and investigator-initiated grants from Merck, Viiv Healthcare and Gilead Sciences

Other engagement activities

Actively engaging clinicians and scientists outside infectious disease as exemplified by

- Performing scientific reviews of clinical trial protocols submitted for ethics review and providing recommendations to the Human Research Ethics Committee (HREC) at Royal Melbourne Hospital
- Member of the scientific review committee of the SETREP-ID Study, an observational study of patients with confirmed COVID-19. The committee is comprised of experts in clinical research, virology, immunology, who review requests from investigators for sample access from the SETREP-ID biobank
- Member of the Scientific Selection Panel for the Doherty Institute's program on antiviral drugs against SARS-CoV-2
- Giving talks on HIV and immunotherapy at the Haematology Unit (February 2019) and Medical Oncology Unit (June 2019) at Peter MacCullum Cancer Centre
- Has established scientific partnerships with Australian and international investigators in oncology as documented by a recent study to investigate immune checkpoint blockade and an emerging research program on pomalidomide, a drug used in haematology