CURRICULUM VITAE, 31st January 2026

1. Full name

- Ranade, Amogh Vinay
- Gender: male

2. Date and place of birth, nationality, contact information

- Date and place of birth: 19th July 2001; Mumbai, India
- Citizenship: Indian
- Current residence: Ursininkatu 14b A 2, Turku, 20100
- Contact details: amrana@utu.fi; (+358) 44 929 5038

3. Education and training

Education

BS-MS Dual Degree (Major in Biology) [August 2019 - May 2024]
Indian Institute of Science Education and Research (IISER), Pune, India
MS Thesis: Tracking Cytotoxic T-cell degranulation in diverse cholesterol conditions
Graduation date: 29th May 2024

Training

- **Laboratory Techniques:**
  - Immune cell isolation
    Naïve CD4+ T cell isolation from umbilical cord/peripheral blood.
  - Imaging & Flow cytometry
    Total Internal Reflection Fluorescence (TIRF) Microscopy, Fluorescence Recovery After Photobleaching (FRAP) based Live Imaging, and Flow Cytometry
  - Dissection
    Lymph node and spleen isolation from adult mouse, Hippocampus isolation from neonatal mouse pups
  - Miscellaneous
    Mammalian Tissue Culture, Cloning, and Molecular Biology techniques
- **Relevant coursework**
  - University of Turku
    Immunohistochemistry, Antibody Therapeutics, Immunology Journal Club
  - IISER Pune (Biology)
    Advanced Molecular Biology, **Introductory & Advanced Immunology**, Developmental Biology, Genome Biology & Epigenetics, Biology & Disease.

4. Language skills

- Native Proficiency: Marathi
- Professional Working Proficiency: English, Hindi

5. Current position

Doctoral Researcher in Immunology at the University of Turku [January 2025 – Present]
Thesis Supervisor: Dr. Riitta Lahesmaa; Director, Turku Bioscience Centre

Thesis Title: ***LincRNAs - Novel regulators of the human adaptive immune response***

6. Previous professional appointments

- *MS Thesis Student* (June 2023 to May 2024)
  Immunosurveillance Lab at Indian Institute of Science (IISc), Bengaluru, India.
  Thesis Supervisor: Dr. Sudha Kumari
  Topic: Tracking Cytotoxic T-cell degranulation in diverse cholesterol conditions.
  Description: Altered cholesterol concentration in cell membranes of healthy primary mouse and human CTLs using pharmacological activators and inhibitors, and assessed its effect on degranulation efficiency.

- *Project researcher* (August 2022 to April 2023)
  Subramanyam Lab at National Centre for Cell Science (NCCS), Pune, India.
  Mentored by Dr. Deepa Subramanyam
  Topic: Characterization of the effect of pathogenic Cltc variants in cellular trafficking.
  Description: Studied mutations in Clathrin Heavy Chain (CHC 1) linked to severe intellectual disability in mouse hippocampal neurons.

- *Project researcher* (May to August, 2022)
  Bugs & Drugs Lab at IISER Pune, India.
  Mentored by Dr. Nishad Matange
  Topic: Mechanistic insights into the PhoPQ 2 component system.
  Description: Studied compensation mechanisms employed by E coli through the PhoPQ system that conferred trimethoprim antibiotic resistance over acclimatory timescales.

- *Summer Trainee* (May to July, 2020)
  Reliance Life Sciences, Mumbai, India.
  Supervised by Dr. Venkata Ramana
  Topic: Cloning of SARS-CoV-2 antigens in bacteria and mammalian systems.
  Description: Cloning experiments for Phage display technology that screened single-chain antibodies against SARS-CoV-2 Receptor Binding Domain antigen.

8. Academic and professional merits

- Summer Research Fellowship Programme 2021, Organized by the Indian Academy of Sciences (cancelled due to the COVID-19 Pandemic).

- DST Inspire Fellow (2019 – 2024)
  A scholarship program implemented by the Department of Science and Technology (DST), Government of India. This program awards the top 1% of high school students who wish to pursue Research.

9. Scientific impact of research

Publications to be included in Thesis:
Kalim, U. U., Shetty, A., Ranade, A., Rundquist, O., Starskaia, I., Batkulwar, K., Välikangas, T., Sousa, A. G. G., Hurme, A., Kumpulainen, V., Viitala, M., Kosola, S., Junttila, S., Rasool, O., Elo, L. L., Galande, S., & Lahesmaa, R. (2025). LINC01871 is exclusively expressed in T and NK cells and is highly induced upon CD4+ T cell activation. iScience, 28(11).
https://doi.org/10.1016/j.isci.2025.113779

Poster Abstracts
Frontiers | 19th International Congress of Immunology—IUIS 2025. (n.d.). Retrieved January 20, 2026, from https://www.frontiersin.org/books/19th_International_Congress_of_Immunology_-_IUIS_2025/14489

10. Other merits

- Poster Presentations
    a. Kalim, U. U., Shetty, A., **Ranade, A.,** Rundquist, O., Starskaia, I., Batkulwar, K., Välikangas, T., Sousa, A. G. G., Hurme, A., Kumpulainen, V., Viitala, M., Kosola, S., Junttila, S., Rasool, O., Elo, L. L., Galande, S., & Lahesmaa, R. **(2025)**. LINC01871 is exclusively expressed in T and NK cells and is highly induced upon CD4+ T cell activation [Poster presentation]. Biocity Symposium, Turku, Finland.

    b. Kalim, U. U., Shetty, A., **Ranade, A.,** Rundquist, O., Starskaia, I., Batkulwar, K., Välikangas, T., Sousa, A. G. G., Hurme, A., Kumpulainen, V., Viitala, M., Kosola, S., Junttila, S., Rasool, O., Elo, L. L., Galande, S., & Lahesmaa, R. **(2025)**. LINC01871 is exclusively expressed in T and NK cells and is highly induced upon CD4+ T cell activation. Poster presented at the International Union of Immunological Societies (IUIS) Congress, 2025.

    c. **Ranade, A. V.,** Subramanyam, D., & Rajan, R. (2022). Characterization of the effect of pathogenic Cltc variants in cellular trafficking [Poster presentation]. IISER Pune Biology Undergraduate Poster Session, Pune, India.

- Extra-curricular
  Biology Co-ordinator (May 2020 - June 2022)
  Mimamsa 2021 & 2022: National-level undergraduate science quiz organized by students of IISER Pune, which promotes critical thinking.