



Christos Samakovlis, Curriculum Vitae.

Higher Education Qualification

1987 Masters' degree in Microbiology, Stockholm University, Stockholm, Sweden.

Doctoral Degree

1991 Ph.D. in Microbiology, Stockholm University, Stockholm, Sweden.

Postdoctoral Position

1991-1994 EMBO-funded postdoctoral Studies in Biochemistry, Department of Biochemistry, Stanford University, Stanford, USA.

Docent Qualification

1997 Associate Professor, Umeå university, Umeå, Sweden.

Previous and Current Positions

2001-present Professor Developmental Biology, Stockholm University, Stockholm Sweden.

2015-present Research group leader, Science for Life Laboratory, Solna, Sweden.

2021-present Scientific Director Science for Life Laboratory (SU representative).

2015-present Professor of Molecular Pneumology (part-time employment), Department of Internal Medicine, Justus-Liebig University, Giessen, Germany.

2021-present Coordinator of the single-cell analysis working group of the German Centre for Lung Research (DZL), Germany.

2015-2020 Max Planck fellow, Max-Planck Institute for heart and lung research, Bad Nauheim, Germany.

1995-2001 VR-funded Group Leader in Molecular Pathogenesis, Umeå University, Sweden.

Graduate student supervision

Pär Steneberg, 2000; Camilla Englund, 2002; Johanna Hemphälä, 2005; Nikos Xylourgidis, 2005; Peggy Roth, 2006; Marco Gallio, 2007; Sheqiu Wang, 2010; Satish Arcott Jayaram, 2010; Katarina Tiklova, 2011; Ryo Matsuda, 2015; Liqun Yao, 2016; Dan Liu, 2022; Ana Pinheiro 2022; Andreas Liontos, 2022. Maroua Ghoul, 2024, Jonas Thelke 2021-present, Orane Elliot 2025-present

Other Information of Relevance to the Application

Scientific Merits

- Board Member, Göran Gustafsson Foundation, 2022.
- Elected Member, 2017, Class VI, Swedish Royal Academy (KVA).
- Göran Gustafsson's Award 2007, for research in molecular biology, Swedish Royal Academy of Science.

- Letterstedt's prize 2005, for research on epithelial cell migration, Swedish Royal Academy of Science.
- Strategic Science Foundation, 1997-2000, Junior Investigator Award
- Evaluator of applications for faculty positions (Professor, Associate Prof): Lund University Karolinska Institute and Umeå University.
- Evaluator of applications for research grants: Swedish Royal Academy of Science, Swedish Research Council (VR, Stockholm), DFG (Germany), National Science Foundation (USA), Cancer Research (UK), EU-ERC (Europe), Cancerfonden (Stockholm)

Christos Samakovlis: Five selected publications relevant to the application

Total scientific publication output in brief

- 85 peer-reviewed journal publications, of which 55 are from the last ten years
- 4 reviews
- Google Scholar h-index: 43, i10-index: 65. Total 13 300 citations
<https://scholar.google.com/citations?hl=en&user=xYqJw8wAAAAJ>

- 1) *Postnatal FGF-signalling establishes gradients of cell-identities along the proximal-distal axis of the lung airways.* Alexandros Sountoulidis*, Alexandra Firsova, Andreas Lontos, Jonas Theelke, Janine Koepke, Pamela Millar-Büchner, Louise Mannerås-Holm, Åsa Björklund, Athanasios Fysikopoulos, Konstantin Gaengel, Fredrik Bäckhed, Christer Betsholtz, Werner Seeger, Saverio Bellusci, **Christos Samakovlis***. *Nature Communications*, 2026, Accepted for publication 2026 March 3, *in press*.
- 2) *Spatial single-cell atlas reveals regional variations in healthy and diseased human lung.* Alexandra B Firsova, Sergio Marco Salas, Louis B Kuemmerle, Xesús M Abalo, Alexandros Sountoulidis, Ludvig Larsson, Krishnaa T Mahbubani, Jonas Theelke, Zaneta Andrusivova, Leire Alonso Galicia, Andreas Lontos, Tamás Balassa, Ferenc Kovacs, Peter Horvath, Yuexin Chen, Janine Gote-Schniering, Mircea-Gabriel Stoleriu, Jürgen Behr, Kerstin B Meyer, Wim Timens, Herbert B Schiller, Malte D Luecken, Fabian J Theis, Joakim Lundeberg, Mats Nilsson, Martijn C Nawijn, **Christos Samakovlis***. *Nature Communications*, 2025, Nov 16 (1):9745
- 3) *Probe set selection for targeted spatial transcriptomics*, Louis B Kuemmerle, Malte D Luecken, Alexandra B Firsova, Lisa Barros de Andrade e Sousa, Lena Straßer, Ilhem Isra Mekki, Francesco Campi, Lukas Heumos, Maiia Shulman, Valentina Beliaeva, Soroor Hedyeh-Zadeh, Anna C Schaar, Krishnaa T Mahbubani, Alexandros Sountoulidis, Tamas Balassa, Ferenc Kovacs, Peter Horvath, Marie Piraud, Ali Ertürk, **Christos Samakovlis**, Fabian J Theis. *Nature methods*, 2024, Dec, 21, 12, 2260-2270
- 4) *High-parametric protein maps reveal the spatial organization in early-developing human lung.* Sanem Sariyar, Alexandros Sountoulidis, Jan Niklas Hansen, Sergio Marco Salas, Mariya Mardamshina, Anna Martinez Casals, Frederic Ballllosera Navarro, Zaneta Andrusivova, Xiaofei Li, Paulo Czarnewski, Joakim Lundeberg, Sten Linnarsson, Mats Nilsson, Erik Sundström, **Christos Samakovlis**, Emma Lundberg, Burcu Ayoglu. *Nature communications*, 2024/10/30, (15), 1, 9381
- 5) *A topographic atlas defines developmental origins of cell heterogeneity in the human embryonic lung.* Alexandros Sountoulidis, Sergio Marco Salas, Emelie Braun, Christophe Avenel, Joseph Bergensträhle, Jonas Theelke, Marco Vicari, Paulo Czarnewski, Andreas Lontos, Xesus Abalo, Žaneta Andrusivová, Reza Mirzazadeh, Michaela Asp, Xiaofei Li, Lijuan Hu, Sanem Sariyar, Anna Martinez Casals, Burcu Ayoglu, Alexandra Firsova¹, Jakob Michaëlsson, Emma Lundberg, Carolina Wählby, Erik Sundström, Sten Linnarsson, Joakim Lundeberg, Mats Nilsson*, **Christos Samakovlis***. *Nature Cell Biology* 2023 Feb;25(2):351-365. doi: 10.1038/s41556-022-01064-x. Epub 2023 Jan 16.