

Employment

Professor, Associate professor, Supervisor

Infection Medicine (BMC)
Lund University
Lund, Sweden
2015 Sept 21 → present

Project manager

Infection and immunomodulation
Lund University
Lund, Sweden
2016 Jun 23 → present

Head of department

Department of Clinical Sciences, Lund
Lund University
Lund, Sweden
2025 Jan 1 → present

Research outputs

Immunomodulating Enzymes from *Streptococcus pyogenes*-In Pathogenesis, as Biotechnological Tools, and as Biological Drugs

Happonen, L. & Collin, M., 2024 Jan 18, In: *Microorganisms*. 12, 1, 200.

Hydroxyapatite: An Antibiotic Recruiting Moiety for Local Treatment and Prevention of Bone Infections

Sebastian, S., Huang, J., Liu, Y., Tandberg, F., Collin, M., Puthia, M. & Raina, D. B., 2024, In: *Journal of Orthopaedic Research*. 42, 1, p. 212-222

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Bacterial Pathogenesis: Methods and Protocols

Collin, M. (Editor) & Nordenfelt, P. (Editor), 2023 May 31, 2 ed. Humana Press. 337 p. (Methods in Molecular Biology; vol. 2674)

A calcium sulphate/hydroxyapatite ceramic biomaterial carrier for local delivery of tobramycin in bone infections: Analysis of rheology, drug release and antimicrobial efficacy

Huang, J., Sebastian, S., Collin, M., Tägil, M., Lidgren, L. & Raina, D. B., 2023, In: *Ceramics International*. 49, 21, p. 33725-33734

Expression of the Bacterial Enzyme IdeS Using a GFP Fusion in the Yeast *Saccharomyces cerevisiae*

Lindh, T., Collin, M., Lood, R. & Carlquist, M., 2023, *Bacterial pathogenesis: Methods and protocols*. Nordenfelt, P. & Collin, M. (eds.). 2nd ed. Humana Press, p. 131-146 (Methods in molecular biology (Clifton, N.J.)).

Preface

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Multiple modes of action mediate the therapeutic effect of IVIg in experimental epidermolysis bullosa acquisita

Pipi, E., Kasprick, A., Iwata, H., Goletz, S., Hundt, J. E., Sadeghi, H., Schmidt-Jiménez, L. F., Schmidt, E., Sjögren, J., Zillikens, D., Ludwig, R. J., Collin, M. & Bieber, K., 2022, In: Journal of Investigative Dermatology. 142, 6, p. 1552-1564.e8

Archaea in Blood Cultures: Coincidence or Coinfection?

Rasmussen, M. & Collin, M., 2021 Nov 1, In: Clinical Infectious Diseases. 73, 9, p. E2580-E2581

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Bacterial Sensing and Signaling

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Kan man snacka bort representativ demokrati?

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Extracellular enzymes with immunomodulating activities: variations on a theme in Streptococcus pyogenes

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Effect of SpeB and EndoS from Streptococcus pyogenes on human immunoglobulins

Collin, M. & Olsén, A., 2001, In: Infection and Immunity. 69, 11, p. 7187-7189

EndoS, a novel secreted protein from Streptococcus pyogenes with endoglycosidase activity on human IgG

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Identification of conditionally expressed genes in Streptococcus pyogenes using RNA fingerprinting

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Streptococcus pyogenes secreted enzymes interacting with the human host

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Activities

Bacterial antibody hydrolyzing enzymes - as bacterial virulence factors and novel biotechnological tools - Eleni Bratanis

Collin, M. (First/primary/lead supervisor)

2019 Oct 25

Leishmaniasis in Sweden - Molecular, diagnostic and epidemiological studies of the parasite Leishmania in a non-endemic country - Sara Karlsson Söbirk

Collin, M. (First/primary/lead supervisor)

2019 Apr 5

Bacterial IgG modulating enzymes - Basic biology and biotechnological applications - Azadeh Shadnezhad

Collin, M. (First/primary/lead supervisor)

2017 Feb 3

Bacterial modulation of host glycosylation – in infection, biotechnology, and therapy - Jonathan Sjögren

Collin, M. (First/primary/lead supervisor)

2015 Mar 13

Molecular and microscopical analysis of pathogenic streptococci - studies on surface proteins interacting with human cells and extracellular matrix - Marta Bober

Collin, M. (First/primary/lead supervisor)

2011 Nov 4

Propionibacterium acnes and its phages - Rolf Lood

Collin, M. (First/primary/lead supervisor)

2011 Oct 7

Prizes and Distinctions

Åke Wiberg million grant recipient (2012-2014)

Collin, M. (Recipient), 2012

Prize for best project application and Anniversary medal in silver

Collin, M. (Recipient), 2009

The Florman award (Flormanska belöningen)

Collin, M. (Recipient), 2010

Translational Research Award

Collin, M. (Recipient), 2012

Projects

Enzymatic antibody glycan modifications as treatment against acute and chronic autoimmune diseases

Collin, M. (PI)

2017/01/01 → 2017/12/31

Enzymatic antibody modification on bacteremia - diagnostic, prophylactic, and therapeutic implications

Collin, M. (PI), Holm, K. (CoPI), Sunnerhagen, T. (Researcher) & Rasmussen, M. (Researcher)

2023/01/01 → 2026/12/31

Neutralizing human B-cell derived monoclonal antibodies to SARS-CoV-2

Nordenfelt, P. (PI), Bahnan, W. (Researcher), Rasmussen, M. (Researcher), Kahn, F. (Researcher), Björck, L.

(Researcher), Shannon, O. (Researcher), Collin, M. (Researcher), Malmström, J. (Researcher) & Kahn, R. (Researcher)

Science for Life Laboratory (SciLifeLab)

2020/04/08 → 2021/01/31

Streptococcal modification of antibody glycosylation during severe infections

Collin, M. (PI)

2018/01/01 → 2020/12/31