**Curriculum vitae with track record**
 **\* PERSONAL INFORMATION**

|  |  |
| --- | --- |
| \*Family name, First name: | Lindgren, Mikael |
| \*Date of birth:  | 20.09.1960 | \*Sex: | Male |
| \*Nationality: | Swedish (Norwegian residence since approx.. 2003) |
| Researcher unique identifier(s) (ORCID, ResearcherID, etc.): | Cristin: <https://app.cristin.no/persons/show.jsf?id=31568> Google Scholar:<https://scholar.google.no/citations?user=RyyvqfQAAAAJ&hl=no&oi=ao>Research Gate: <https://www.researchgate.net/profile/Mikael_Lindgren> ORCID: 0000-0001-6649-7871 |
| URL for personal website:  | <https://www.ntnu.edu/employees//mikael.lindgren> |

 **\* EDUCATION**

|  |  |
| --- | --- |
|  | Name of faculty/department, name of university/institution, country |
| 1988 | Ph.D. in Chemical Physics, Linköping University (LiU), Sweden |
| 1984 | Master of Science in Applied Physics, LiU, Sweden |

**\* POSITIONS**

**Current Position**

|  |  |
| --- | --- |
|  | Job title/name of employer/country |
| 2003- | Professor in Physics, NTNU, Norway |
| 2009 - current | Visiting/Adjunct professor LiU, Sweden |

 **Previous positions held**

|  |  |
| --- | --- |
|  | Job title/name of employer/country |
| 2013-2014 | Head of Physics Department, NTNU, Norway |
| 1994-1999 | 50% Researcher, FOI – Dept of Laser Systems, Sweden |

**FELLOWSHIPS, AWARDS AND PRIZES**

|  |  |
| --- | --- |
|  | Name of institution/country |
| 2006 | Best lecturer (students’ choice)/NV-Faculty, NTNU |

 **MOBILITY**

|  |  |
| --- | --- |
|  | Name of faculty/department/centre, name of university/institution/country  |
| 2024 (plan) | Visiting professor at Ehime University, Matsuyama, Japan. January-March 2024 |
| 2018 | Sabbatical tenure: 2018 (1 semester): 2 months, Visiting professor at Ehime University, Matsuyama, Japan. 2 months, Visiting professor ENS-Lyon (JSPS Bridge fellow).  |
| 2014/15 | Sabbatical tenure (11 months) Visiting professor at Linköping University, Sweden |
| 2010/11 | Sabbatical tenure (11 months): Visiting professor at ENS-Lyon, France |

**PROJECT MANAGEMENT EXPERIENCE**

|  |  |
| --- | --- |
| Year | Project owner - Project - Role - Funder |
| 2022 - | European JPND project PD-PAM (Parkinson Disease - Prodromal animal models) |
| 2009-12 | Linköping University/Hammarström - LUPAS (Luminescent polymers for in vivo imaging of amyloid signatures) <https://cordis.europa.eu/project/rcn/93228/factsheet/en> - Work package leader ‘Imaging technologies’ - FP7-Health EC |
| 2004-06 | NTNU/Lindgren – NanoMat NFR project – Project coordinator - NFR, Norway |
| 1997-03 | FOI - ‘Photonics in defence applications’ – Coordinator and Project leader - National Program under FMV/HKV, Sweden (70 MSEK) |

**Supervision of students and research fellows**

|  |  |  |
| --- | --- | --- |
| Master's students  | Ph.D. students/post doc | University/institution - Country |
| 25 | 7 | NTNU-NV-IFY, Norway |
| 5 | 4 | FOI/LiU-IFM, Sweden |

 **ORGANISATION OF MEETINGS** (if applicable)

|  |  |
| --- | --- |
|  | Role and name of event/number of participants/country  |
| 2016 | Chairman of: Optics and Photonics in Sweden (Linköping). (175 participants and 27 exhibitors) <https://photonicsweden.org/events/photonicsweden-events/>  |
| 2008 | Chair and Local organizer of workshop in Laser Physics, Trondheim, Norway. (approx.. 600 participants) <https://www.lasphys.com/workshops/lasphys08/chairpersons>  |
| 2006 | Chairman of technical and scientific committee of the Scandinavian conference: “Northern Light”, Bergen, Norway (approx.. 200 participants) |

 **COMMISSIONS OF TRUST** **IN ACADEMIC, PUBLIC OR PRIVATE ORGANISATIONS**

|  |  |
| --- | --- |
|  | Name of university/institution/country – and role  |
| 2016-19 | Member of review board of ‘International Post-docs’, Vetenskapsrådet, Sweden |
| 2004-09 | Technical advisor in optical engineering, SINTEF-ICT |
| 1992-93 | Student exchange program with Japan, Liaison officer, Linköping University, Sweden |

**Other commissions of trust - in business, organisations or public life**

|  |  |
| --- | --- |
|  | Name of board/body/country – and role  |
| 2016-19 | Consulting technical advisor, RESMAN A/S |
| 2004-08 | Inventor and shareholder of ‘New Index A/S’, Trondheim, Norway |

**MEMBERSHIPS OF ACADEMIES / SCIENTIFIC SOCIETIES / NETWORKS**

|  |  |
| --- | --- |
|  | Name of academies, scientific societies, networks |
| 1990 - | Ad Hoc Reviewer for: Journal of Applied Physics, The Journal of Physical Chemistry, MDPI Optics, Nanomaterials, Advanced Materials, Nanoscale, Biophysical Journal, Journal of Diabetes Research, Biomedical Optics Express, FEBS Letters, Journal of Photochemistry and Photobiology, SPIE, ChemCommun, American Chemical Society journal Analytical Chemistry, Journal of Parkinson’s and Alzheimer’s diseases, ACS Chemical Neuroscience, Journal of Luminescence, Journal of Applied Physics Science International, Physical Chemistry Chemical Physics, International Journal of Computer Assisted Radiology and Surgery, Journal of Molecular Structure, International Journal of Quantum Chemistry, New Journal of Physics, Journal of Optics, ACS Chemical Biology, FEBS Journal, Vacuum, Measurement Science and Technology, European Journal of Medicinal Chemistry, Brain Research, Inorganic Chemistry, SPIE Optical Engineering, Journal of Physics D: Applied Physics, Organic Electronics |

 **MAJOR COLLABORATIONS** (if applicable)

|  |  |
| --- | --- |
| Name of university/ institution/ faculty/ department/ centre, company/ governmental or non-governmental organisation | Topic |
| Linköping University, Sweden | Protein structures, biosensing, molecular imaging, spectroscopy |
| Royal Institute of Technology, KTH, Sweden | Quantum mechanical modelling of molecular properties, spectroscopy |
| ENS-Lyon, France | Photonic materials, spectroscopy |
| Ehime University, Japan | Biosensing, molecular imaging, spectroscopy |
| University of Agder, Norway | Photodynamic therapy, spectroscopy |

**Track record with selected publications**

Total number of peer-reviewed papers: **> 250**; Total number of citations: **> 6681**; H-index: **≥ 44**. For update/details: <https://scholar.google.no/citations?user=RyyvqfQAAAAJ&hl=no&oi=ao>

**Selected recent publications (2023 - 2020)**

* K Radotić, TB Melø, **M Lindgren** (2023) [A fluorescence spectroscopic study of light transmission and adaxial-abaxial distribution of emitting compounds in leaves of Christmas star (Euphorbia pulcherrima)](https://scholar.google.no/citations?view_op=view_citation&hl=no&user=RyyvqfQAAAAJ&sortby=pubdate&citation_for_view=RyyvqfQAAAAJ:kzcSZmkxUKAC). Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 303, 123269
* Nghia Nguyen Thi Minh, Afshan Begum, Jun Zhang, Petter Leira, Yogesh Todarwal, Mathieu Linares, Patrick Norman, Dean Derbyshire, Eleonore von Castelmur, **Mikael Lindgren**, Per Hammarström, Carolin König (2023) [Binding of a Pyrene-Based Fluorescent Amyloid Ligand to Transthyretin: A Combined Crystallographic and Molecular Dynamics Study](https://scholar.google.no/citations?view_op=view_citation&hl=no&user=RyyvqfQAAAAJ&sortby=pubdate&citation_for_view=RyyvqfQAAAAJ:YsrPvlHIBpEC). The Journal of Physical Chemistry B 127 (30), 6628-6635.
* VM Bjelland, H Nakashima, N Hashimoto, S Seo, TB Melø, **M Lindgren** (2023) [Non-approximative Kinetics of Triplet-Triplet Annihilation at Room Temperature: Solvent Effects on Delayed Fluorescence](https://scholar.google.no/citations?view_op=view_citation&hl=no&user=RyyvqfQAAAAJ&sortby=pubdate&citation_for_view=RyyvqfQAAAAJ:kF1pexMAQbMC). ChemPhotoChem 7(9), e202300064.
* Ingvild Hageberg, Katrianne Arja, Benedikte E Vindstad, Johannes Bergvoll, Odrun A Gederaas, Thor-B Melø, K. Peter R Nilsson, **Mikael Lindgren** (2023) [Photophysics of Glycosylated Ring-Fused Chlorin Complexes and Their Photosensitizing Effects on Cancer Cells](https://chemistry-europe.onlinelibrary.wiley.com/doi/abs/10.1002/cptc.202300028) ChemPhotoChem 7(8), e202300028.
* Katriann Arja, Robert Selegård, Markéta Paloncýová, Mathieu Linares, **Mikael Lindgren**, Patrick Norman, Daniel Aili, K Peter R Nilsson. (2023) [Self‐Assembly of Chiro‐Optical Materials from Nonchiral Oligothiophene‐Porphyrin Derivatives and Random Coil Synthetic Peptides](https://chemistry-europe.onlinelibrary.wiley.com/doi/abs/10.1002/cplu.202200262). ChemPlusChem. 88(1), e202200262.
* Odrun A Gederaas, Andreas S Sørensen, **Mikael Lindgren**, Thor Bernt Melø, Dag Altin, Ellen MS Flatby, Anders Høgset, Bård Helge Hoff. (2023) [Synthesis and in vitro evaluation of a novel thienopyrimidine with phototoxicity towards rat glioma F98 cells](https://scholar.google.no/scholar?oi=bibs&cluster=16746515952567468655&btnI=1&hl=no) Journal of Photochemistry and photobiology. 10, 100114.
* Mie Kristine Just, Hjalte Gram, Vasileios Theologidis, Poul Henning Jensen, K Peter R Nilsson, **Mikael Lindgren**, Karoline Knudsen, Per Borghammer, Nathalie Van Den Berge. (2022) [Alpha-synuclein strain variability in body-first and brain-first synucleinopathies](https://scholar.google.no/scholar?oi=bibs&cluster=13750949701867174806&btnI=1&hl=no). Aging Neurosci. Vol 14
* C Gustafsson, H Shirani, A Konsmo, D Rhen, M Linares, KPR Nilsson, P Norman, **M Lindgren.** (2020) Deciphering the electronic transitions of thiophene-based donor-acceptor-donor pentameric ligands utilized for multimodal fluorescence microscopy of protein aggregates. ChemPhysChem 22(3), 323-335.
* K. Yuzu, **M. Lindgren**, S. Nyström, J. Zhang, W. Mori, R. Kunitomi, T. Nagase, K. Iwaya, P. Hammarström, T. Zako. (2020) Insulin Amyloid Polymorphs: Implications for Iatrogenic Cytotoxicity RSC Advances 10 (62), 37721-37727
* [S Callaghan](https://chemistry-europe.onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Callaghan%2C+Susan), [B E. Vindstad](https://chemistry-europe.onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Vindstad%2C+Benedikte+E), [K J. Flanagan](https://chemistry-europe.onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Flanagan%2C+Keith+J), [T B. Melø](https://chemistry-europe.onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Mel%C3%B8%2C+Thor+B), [**M Lindgren**](https://chemistry-europe.onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Lindgren%2C+Mikael), [K Grenstad](https://chemistry-europe.onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Grenstad%2C+Kristin), [O A. Gederaas](https://chemistry-europe.onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Gederaas%2C+Odrun+A), [M O. Senge](https://chemistry-europe.onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Senge%2C+Mathias+O) (2020) Structural, photophysical, and photobiological studies on BODIPY‐anthracene dyads. ChemPhotoChem 2(7), 606-615.
* **M Lindgren**, O A Gederaas, M Siksjø, TA Hansen, L Chen, B Mettra, C Andraud, C Monnereau. (2020) Influence of Polymer Charge on the Localization and Dark-and Photo-Induced Toxicity of a Potential Type I Photosensitizer in Cancer Cell Models. Molecules 25 (5), 1127.