PERSONAL INFORMATION

REIDAR LUND

Researcher unique identifiers: ResearcherID: F-3534-2014,

Google Scholar: https://scholar.google.com/citations?user=6kViTegAAAAJ&hl=en

Date of birth: 19.12.1976

Nationality: Norwegian

Web sites: www.softmatter.no / http://www.mn.uio.no/kjemi/english/people/aca/reidal

EDUCATION

2004	PhD (Dr. rer. nat., Magna cum Laude). Institute for Solid State Research, Forschungszentrum Jülich/Department of Chemistry, University of Münster, Germany 2004.
2001	Master (Cand Scient.) Department of Chemistry, University of Oslo, Norway.

CURRENT POSITIONS

2022 –	Professor, Department of Chemistry, University of Oslo.
2017 – 2022	Associate Professor, Department of Chemistry, University of Oslo.
2017 –	Research Associate, Centre for Molecular Medicine Norway (NCMM), Nordic EMBL Partnership for Molecular Medicine.
2018-	Research Associate, Hylleraas Centre for Quantum Molecular Sciences, UiO.

PREVIOUS POSITIONS

2013 – 2016	Researcher, Department of Chemistry, University of Oslo, Norway.
2011 – 2012	Post Doctoral Research Associate. Department of Material Science, University of California, Berkeley, United States.
2007 – 2011	Post-doctoral Research Associate. Center for Material Physics (CSIC)/Donostia International Physics Center (DIPC), University of the Basque Country, San Sebastián, Spain
2005 – 2007	Post-doctoral research associate, Institute for Solid State Research, Forschungszentrum Jülich, Germany.

SUPERVISION

Presently main supervisor for 5 PhDs and 5 Msc-students at UiO. Previously supervised 7 Msc-students and 5 Phds that have successfully defended their degree as well as several Postdocs.

TRACK RECORD

I have authored more than 85 peer reviewed articles in international journals (about 25 the last three years), 3 book chapters and many contributions for popular science. ~15 in high impact journals: *Phys Rev Lett*.(8), *JACS (2)*, *PNAS(1)*, *Angew. Chemie Int.ed* (2), *Chem. Commun*.(2), *J. Phys. Chem Lett*.(1) My work has received ~2100 citations and H-index is currently 27 (web of science). I have been invited to many international conferences, seminars and lectures in addition to serving on several editorial boards and review committees.

10 selected publications (last 5 years)

1. Bjørnestad, V.A., Orwick, M. and **Lund, R.** Understanding the Structural Pathways for Lipid Nanodisc Formation: How Styrene Maleic Acid Copolymers Induce Membrane Fracture and Disc Formation ***Langmuir* 2021**, 37, 20, 6178–6188
2. Schäfer, K.; Kolli, H. B.; Killingmoe Christensen, M.; Bore, S. L.; Diezemann, G.; Gauss, J.; Milano, G.; **Lund, R.***; Cascella, M. Supramolecular Packing Drives Morphological Transitions of Charged Surfactant Micelles. ***Angew. Chem. Int. Ed.* 2020**, *6*, 3–9.
3. J. Eilsø Nielsen; T. Kjellerup Lind; A. Lone; Y. Gerelli; P.R Hansen; H. Jensen; M. Cardenas and **R. Lund * *"*** *Beyond Structural Models for the Mode of Action: How Natural Antimicrobial Peptides Disrupts Lipid Membranes "* **J. Colloid. Int. Sci., *2021****,*** *582, 793–802.*
4. König, L. Willner, N, Mahmoudi, V. Pipich and **Lund, R.*** "*Tale of Two Tales: Molecular Exchange Kinetics of Telechelic Polymer Micelles "* **Phys. Rev Lett.**, 2020, *124*, 197801.
5. Nielsen, J. E.; König, N.; Yang, S.; Skoda, M. W. A.; Maestro, A.; Dong, H.; Cárdenas, M.; **Lund, R*.** Lipid Membrane Interactions of Self-Assembling Antimicrobial Nanofibers: Effect of PEGylation. **RSC Adv. 2020**, *10*, 35329–35340.
6. Myhre, S.; Amann, M.; Willner, L.; Knudsen, K. D.; **Lund, R.*** How Detergents Dissolve Polymeric Micelles: Kinetic Pathways of Hybrid Micelle Formation in SDS and Block Copolymer Mixtures. ***Langmuir* 2020**, *36*, 12887–12899.
7. König, L. Willner, T. Zinn,, V. Pipich and **R. Lund***, "*Cooperativity during melting and molecular exchange in micelles with crystalline cores"* **Phys. Rev Lett.**, 2019, 122, 078001
8. Amann, M., Stensgaard Diget, J. Lyngsø, J. Pedersen, J.S., Narayanan,, T. and **Lund, R***., Kinetic Pathways for Polyelectrolyte Coacervate Micelle Formation Revealed by Time-Resolved Synchrotron SAXS" **Macromolecules**, 2019 52 (21), 8227-8237
9. J.E. Nielsen, V.A.. Bjørnestad,, and **R. Lund***, "*Resolving the structural interactions between antimicrobial peptides and lipid membranes using small-angle scattering methods: the case of indolicidin."* **Soft Matter**, 2018, 11, 37–14.
10. T. Narayanan , H. Wacklin, O. Konalov and **R. Lund,** *"The use of synchrotron radiation and neutrons for the study of soft condensed matter"* **Crystallography Review** , 2017, 23, 160-226

Selected invited talks (last 5 years)

1. German Physics Society annual meeting (DPG Tagung), Dresden, 16-20 March, 2020.
2. Nordic Italian Polymer Days, 02-03 September, 2019, Copenhagen, Denmark.
3. 4th Euro Intelligent Materials 2019 - European Symposium on Intelligent Materials , 17 - 19 June 2019 in Kiel, Germany.
4. SINE2020, "Self-Healing Hydrogels: Deciphering The Relation Between Microscopic Dynamics and Viscoelastic Response Using Neutron Scattering Techniques and Contrast Variation Scheme" 15-17th of May Oxford, UK.
5. ACS National Meeting, "Kinetic Pathways of Self-assembly- what can we learn from simple synthetic systems and scattering techniques?" 2-6th April 2017, San Francisco, US.
6. Sixth Annual Niels Bohr International Academy Workshop on ESS Science (NBIA6): Structure and Dynamics in Confinement, 7th-8th November, Lund, Sweden.
7. Invited *keynote lecture*. International Soft Matter Conference, 12-16th of September, 2016, Grenoble, France.