

Curriculum Vitae – Andreas B. Dahlin

Full name: Andreas Bo Oscar Dahlin
Title: Associate Professor
Position: Associate Professor
Birthdate: 7th November 1980
Nationality: Swedish
Marital status: Married, two children born 2008 and 2012.



Affiliation: Div. Applied Chemistry, Dept. of Chemistry and Chemical Engineering, Chalmers University of Technology
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Previous Employment

Assistant Professor @ Dept. of Physics, Chalmers University of Technology, Göteborg, Sweden. (March 2012 – October 2016)

Postdoc @ Div. of Bionanophotonics, Dept. of Applied Physics, Chalmers University of Technology, Göteborg, Sweden.
Group leader: Prof. **Mikael Käll** (August 2011 – February 2012)

Postdoc @ Laboratory of Biosensors and Bioelectronics, Inst. for Biomedical Engineering, Swiss Federal Institute of Technology, Zürich, Switzerland.
Group leader: Prof. **Janos Vörös** (August 2009 – July 2011)

Ph.D. Student @ Div. of Biological Physics, Dept. of Applied Physics, Chalmers University of Technology, Göteborg, Sweden.
Group leader: Prof. **Fredrik Höök** (October 2007 – July 2009)

Ph.D. Student @ Div. of Solid State Physics, Dept. of Physics, Lund University, Lund, Sweden.
Group leader: Prof. **Lars Samuelsson** (September 2004 – September 2007)

Ph.D. Student @ Div. of Chemical Physics, Dept. of Applied Physics, Chalmers University of Technology, Göteborg, Sweden.
Group leader: Prof. **Bengt Kasemo** (February 2004 – August 2004)

Parental Leave

I was taking care of my sons and did not work for a total of **13 months** during 2008-2015. I kindly ask that this is taken into account in any evaluation process.

Academic Degrees

Associate Professor – Physics, Chalmers University of Technology, Göteborg, Sweden (**2015**).

Doctor of Philosophy – Bioscience with Engineering Physics, Chalmers University of Technology, Göteborg, Sweden (**2008**).

Licentiate of Science – Physics, Lund University, Lund, Sweden (**2006**).

Master of Science – Bioengineering, Chalmers University of Technology, Göteborg, Sweden (**2004**).

CHALMERS



ETH

Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich



LUND
UNIVERSITY

Quantitative Merits

- 34 research papers.
- 6 review papers.
- 3 book chapters.
- 1 sole author book.
- 12 conference talks.
- 14 poster contributions.
- ResearchGate score: 38.67
- Reviewer for 53 scientific journals.
- Reviewer for 5 research funding agencies.
- Principal investigator for 6 external research grants.
- Coapplicant for 2 externally funded research projects.



Qualitative Merits

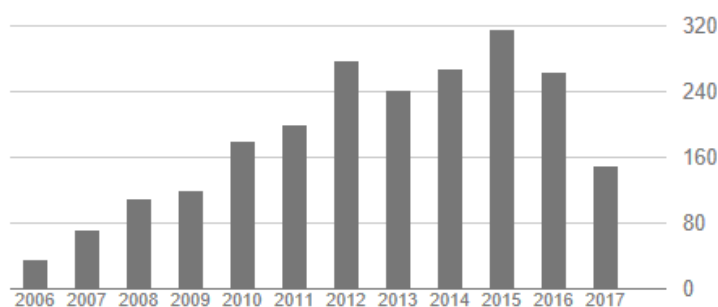
- Invited speaker at *Biodetection & Biosensors XIII* (Cambridge 2017).
- Invited speaker at *Eurotrode XIII* (Graz 2016).
- Invited speaker at *Dresden Polymer Discussions* (Meissen 2016).
- *Wallenberg Academy Fellow* (2015).
- Invited speaker at *SciX* (Providence 2015).
- Swedish Research Council *Young Researcher Project Grant* (2012).
- EU FP7 People Marie Curie *Career Integration Grant* (2012).
- Swedish Foundation for Strategic Research *Ingvar Carlsson Award* (2011).
- Keynote speaker at the *European Material Research Society* (2011).
- Cover page article of *Small* 2011, Issue 12.
- Swedish Research Council *Postdoctoral Scholarship* (2009).
- Article selected for accelerated publication in *Analytical Chemistry* 2009, Issue 16.



Citation Metrics

Source: Google Scholar
Entries with citation data: 43
Total number of citations: 2229
H-index: 24

Citations per year



Supervision

Student	Degree	Title of thesis	My role	Year
Gustav Emilsson	Licentiate	Towards functional nanopores using polymers	Main supervisor	2016
Kunli Xiong	Licentiate	New nanopores for combined plasmonic and electrical sensing.	Main supervisor	2016
Michael Stürenberg	Licentiate	Investigating nonlinear effects of plasmonics.	Assistant supervisor	2016
Evelyn Röder	Master	Probing the binding behavior of negative curvature sensing proteins with a nanoplasmonic sensor.	Main supervisor	2016
Viktor Ahlberg Gagnér	Master	Strongly stretched poly(ethylene glycol) brushes on plasmonic nanopores.	Main supervisor	2015
Juliane Junesch	PhD	Novel thin film nanohole devices for plasmonic sensing applications.	Assistant supervisor	2015
Virginia Claudio	Licentiate	Plasmonic nanostructures for biosensing: Considerations for reaching single molecule resolution.	Assistant supervisor	2013
Mudassar Virk	Master	Joule heating of nanohole arrays for control of thermo-responsive polymer brushes.	Main supervisor	2013
Group of 6	Bachelor	Determination of temperature in heated nanostructures.	Main supervisor	2013
Emanuel Schmid	Master	Simultaneous quartz crystal microbalance and surface plasmon resonance sensing on the same sensor crystal.	Assistant supervisor	2005

Examination

Student	Degree	University	My role	Year
Bao D. Ho	Licentiate	Lund University	Opponent	2017
Da Zhang	PhD	Uppsala University	Committee member	2017
Pinar Frank	PhD	Austrian Institute of Technology Vienna	External examiner	2017
Jin Dai	PhD	Royal Institute of Technology Stockholm	Committee member	2016
Rafael Schoch	PhD	University of Basel	External examiner	2016
Irina Zubriskaya	Licentiate	Chalmers University of Technology	Discussion leader	2015

Teaching

- Teaching and course development in *Chemistry and Materials* 7.5 ECTS credits (2017–).
- Teaching and course responsibility for *Soft Matter Physics*, 7.5 ECTS credits (2013–).
- Teaching and course responsibility for *Biotechnical Physics*, 7.5 ECTS credits (2013–).
- Teaching and course development in *Tools of Engineering Physics*, 10.5 ECTS credits (2012–2014).
- *As undergraduate*: Teaching in mathematics with focus on programming in MATLAB for first year undergraduate students (144 h total).
- *As Ph.D. student*: Various teaching assignments, mostly lab exercise development and supervision (5% of working time).
- *As postdoc*: Gave lectures on plasmonic biosensors at the Swiss Federal Institute of Technology, the Royal Institute of Technology in Stockholm and Chalmers University of Technology.

Outreach

- Continuously developing my own research website with a popular science description of my work, recommended reading etc.
- Participated in the Science Slam competition in Göteborg 2017.
- Participated in the Science Festival in Göteborg 2013, 2014 and 2016 at the "science roulette" event.
- Voluntary work with activities for children at the Science Festival in Göteborg 2002.



Utilization

June 20, 2017

- Founder and board member of *rdot AB* (2017) for plasmonic electronic paper development (6% of shares). Organization number 559092-9831.
- Patent on *Switchable plasmonic display device*, international PCT application PCT/SE2017/050042, filed 18 January 2017.
- Patent on *Asymmetric nanoplasmonic structures for dual sensing* (T-10-073), European patent application EP10013193.7, priority date 01.10.2010.
- Successful commercialization of developed nanoplasmonic sensors through *Inplorion AB* (organization number 556798-8760). Product names "wells" and "caves", including application note #22.

Selected Research Grants

Polymer brushes and molecular transport in nanofluidic channels.

Single applicant. Total project funding 3 400 000 SEK.

Swedish Research Council 2016.

Macromolecular gates in nanofluidic channels.

Single applicant. Total funding 7 500 000 SEK.

Wallenberg Foundation 2015.

Responsive polymers in active nanopores.

Single applicant. Total project funding 2 800 000 SEK.

Swedish Research Council 2012.

Active nanopores.

Single applicant. Total funding 100 000 EUR for career integration.

EU FP7 People Marie Curie 2012.

Plasmonic antennas shine light on the nanoworld.

Coapplicant. Total funding 37 000 000 SEK to 8 applicants.

Wallenberg Foundation 2012.

Electrochemical gates in nanofluidic channels.

Single applicant. Total funding 2 950 000 SEK for starting independent research activities in Sweden.

Swedish Foundation for Strategic Research 2011.

Sensing membrane transport using electrochemistry in nanowells.

Coapplicant. Total funding 183 948 CHF for a Ph.D. student project.

Swiss National Science Foundation 2010.

Combined electrochemical and plasmonic analysis of biomolecular reactions in nanopores.

Single applicant. Total funding 1 198 400 SEK for 2 years of postdoctoral work in Switzerland and 858 000 SEK for 1 year in Sweden.

Swedish Research Council 2009.

Publications: Research Papers

Fabrication and characterization of plasmonic nanopores with cavities in the solid support.

B. Malekian & K. Xiong, G. Emilsson, J. Andersson, C. Fager, E.M. Larsson-Langhammer, [A.B. Dahlin](#).*

Sensors (accepted).

Superior LSPR substrates based on electromagnetic decoupling for on-a-chip high-throughput label-free biosensing.

S.S. Aćimović, H. Šípová, G. Emilsson, [A.B. Dahlin](#), T. Antosiewicz, M. Käll.*

Light: Science & Applications (accepted).

Surface plasmon resonance methodology for monitoring polymerization kinetics and morphology changes of brushes - evaluated with poly(N-isopropylacrylamide).

G. Emilsson, R.L. Schoch, P. Oertle, K. Xiong, R.Y.H. Lim, [A.B. Dahlin](#).*

Applied Surface Science **2017**, 396, 384-392 (full length article).

Plasmonic metasurfaces with conjugated polymers for flexible electronic paper in color.

K. Xiong, G. Emilsson, A. Maziz, X. Yang, L. Shao, E.W.H. Jager, [A.B. Dahlin](#).*

Advanced Materials **2016**, 28 (45), 9956-9960 (communication).

Dual-wavelength surface plasmon resonance for determining the size and concentration of sub-populations of extracellular vesicles.

D.L.M. Rupert, G.V. Shelke, G. Emilsson, V. Claudio, S. Block, C. Lässer, [A.B. Dahlin](#), J.O. Lötvall, M. Bally, V.P. Zhdanov, F. Höök.*

Analytical Chemistry **2016**, 88 (20), 9980-9988 (article).

Biosensing using plasmonic nanohole arrays with small, homogenous and tunable aperture diameters.

K. Xiong, G. Emilsson, [A.B. Dahlin](#).*

Analyst **2016**, 141 (12), 3803-3810 (article, Emerging Investigator issue).

Location-specific nanoplasmonic sensing of biomolecular binding to lipid membranes with negative curvature.

J. Junesch, G. Emilsson, K. Xiong, S. Kumar, T. Sannomiya, H. Pace, J. Vörös, S.-H. Oh, M. Bally, [A.B. Dahlin](#).*

Nanoscale **2015**, 7 (37), 15080-15085 (communication).

Plasmon enhanced internal photoemission in antenna-spacer-mirror based Au/TiO₂ nanostructures.

Y. Fang, Y. Jiao, K. Xiong, R. Ogier, Z.-J. Yang, S. Gao, [A.B. Dahlin](#), M. Käll.*

Nano Letters **2015**, 15 (6), 4059-4065 (letter).

Strongly stretched protein resistant poly(ethylene glycol) brushes prepared by grafting-to.

G. Emilsson, R.L. Schoch, L. Feuz, F. Höök, R.Y.H. Lim, [A.B. Dahlin](#).*

ACS Applied Materials & Interfaces **2015**, 7 (14), 7505-7515 (article).

Influence of the evanescent field decay length on the sensitivity of plasmonic nanodisks and nanoholes.

F. Mazzotta, T. Johnson, [A.B. Dahlin](#), J. Shaver, S.-H. Oh,* F. Höök.*

ACS Photonics **2015**, 2 (2), 256-262 (article).

A thermal plasmonic sensor platform: Resistive heating of nanohole arrays.

M. Virk & K. Xiong, M. Svedendahl, M. Käll, [A.B. Dahlin](#).*

Nano Letters **2014**, 14 (6), 3544-3549 (letter).

Plasmonic nanopores in metal-insulator-metal films.

[A.B. Dahlin](#),* M. Mapar, K. Xiong, F. Mazzotta, F. Höök, T. Sannomiya.

Advanced Optical Materials **2014**, 2 (6), 556-564 (full paper, with frontispiece).

Single-particle plasmon sensing of discrete molecular events: Binding position versus signal variations for different sensor geometries.

V. Claudio, [A.B. Dahlin](#), T. Antosiewicz.*

Journal of Physical Chemistry C **2014**, 118 (13), 6980–6988 (article).

Embedded plasmonic nanomenhirs as location-specific biosensors.

K. Kumar, [A.B. Dahlin](#), T. Sannomiya, S. Kaufmann, L. Isa, E. Reimhult.*

Nano Letters **2013**, 13 (12), 6122–6129 (letter).

Optical resonances in short-range ordered nanoholes in ultrathin aluminum / aluminum nitride multilayers.

Y. Ikenoya, M. Susa, J. Shi, Y. Nakamura, [A.B. Dahlin](#), T. Sannomiya.*

Journal of Physical Chemistry C **2013**, 117 (12), 6373–6382 (article).

Simultaneous electrical and plasmonic monitoring of potential induced ion adsorption on metal nanowire arrays.

R. MacKenzie, C. Fraschina, B. Dielacher, T. Sannomiya, [A.B. Dahlin](#), J. Vörös.*

Nanoscale **2013**, 5 (11), 4966–4975 (full paper).

Optical properties of nanohole arrays in metal-dielectric double films prepared by mask-on-metal colloidal lithography.

J. Junesch, T. Sannomiya, [A.B. Dahlin](#).*

ACS Nano **2012**, 6 (11), 10405–10415 (article).

Nanoplasmonic sensing of metal-halide complex formation and the electric double layer capacitor.

[A.B. Dahlin](#),* R. Zahn, J. Vörös.

Nanoscale **2012**, 4 (7), 2339–2351 (full paper).

Investigation of plasmon resonances in metal films with nanohole arrays for biosensing applications.

T. Sannomiya,* O. Scholder, K. Jefimovs, C. Hafner, [A.B. Dahlin](#).*

Small **2011**, 7 (12), 1653–1663 (full paper, cover page).

Electrochemical crystallization of plasmonic nanostructures.

[A.B. Dahlin](#),* T. Sannomiya, R. Zahn, G.A. Sotiriou, J. Vörös.

Nano Letters **2011**, 11 (3), 1337–1343 (letter).

Electrochemistry on a localized surface plasmon resonance sensor.

T. Sannomiya, H. Dermutz, C. Hafner, J. Vörös, [A.B. Dahlin](#).*

Langmuir **2010**, 26 (10), 7619–7626 (article).

Locally functionalized short-range ordered nanoplasmonic pores for bioanalytical sensing.

M.P. Jonsson,* [A.B. Dahlin](#), L. Feuz, S. Petronis, F. Höök.*

Analytical Chemistry **2010**, 82 (5), 2087–2094 (article).

QCM-D studies of human norovirus VLPs binding to glycosphingolipids in supported lipid bilayers reveal strain-specific characteristics.

G.E. Rydell, [A.B. Dahlin](#), F. Höök, G. Larson.*

Glycobiology **2009**, 19 (11), 1176–1184 (article).

High-resolution microspectroscopy of plasmonic nanostructures for miniaturized biosensing.

[A.B. Dahlin](#),* S. Chen, M.P. Jonsson, L. Gunnarsson, M. Käll, F. Höök.*

Analytical Chemistry **2009**, 81 (16), 6572–6580 (article, accelerated publication).

Synchronized quartz crystal microbalance and nanoplasmonic sensing of biomolecular recognition reactions.

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A.B. Dahlin, P. Jönsson, M.P. Jonsson, E. Schmid, Y. Zhou, F. Höök.*
ACS Nano **2008**, 2 (10), 2174-2182 (article).

Label-free plasmonic detection of biomolecular binding by a single gold nanorod.
G.J. Nusz, S.M. Marinakos, A.C. Curry, A. Dahlin, F. Höök, A. Wax, A. Chilkoti.*
Analytical Chemistry **2008**, 80 (4), 984-989 (article).

Specific self-assembly of single lipid vesicles in nanoplasmonic apertures in gold.
A.B. Dahlin, M.P. Jonsson, F. Höök.*
Advanced Materials **2008**, 20 (8), 1436-1442 (communication).

Supported lipid bilayer formation and lipid-membrane-mediated biorecognition reactions studied with a new nanoplasmonic sensor template.
M.P. Jonsson, P. Jönsson, A.B. Dahlin, F. Höök.*
Nano Letters **2007**, 7 (11), 3462-3468 (letter).

Generic surface modification strategy for sensing applications based on Au/SiO₂ nanostructures.
R. Marie, A.B. Dahlin, J.O. Tegenfeldt, F. Höök.*
Biointerphases **2007**, 2 (1), 49-54 (article).

Quantitative interpretation of gold nanoparticle-based bioassays designed for detection of immunocomplex formation.
Y. Zhou, H. Xu, A.B. Dahlin, J. Vallkil, C.A.K. Borrebäck, C. Wingren, B. Liedberg, F. Höök.*
Biointerphases **2007**, 2 (1), 6-14 (article).

Improving the instrumental resolution of sensors based on localized surface plasmon resonance.
A.B. Dahlin, J.O. Tegenfeldt, F. Höök.*
Analytical Chemistry **2006**, 78 (13), 4416-4423 (article).

Plasmonic sensing characteristics of single nanometric holes.
T. Rindzevicius, Y. Alaverdyan, A. Dahlin, F. Höök, D.S. Sutherland, M. Käll.*
Nano Letters **2005**, 5 (11), 2335-2339 (letter).

Phospholipid vesicle adsorption measured in situ with resonating cantilevers in a liquid cell.
S. Ghatnekar-Nilsson,* J. Lindahl, A. Dahlin, T. Stjernholm, S. Jeppesen, F. Höök, L. Montelius.
Nanotechnology **2005**, 16 (9), 1512-1516 (article).

Localized surface plasmon resonance sensing of lipid-membrane-mediated biorecognition events.
A. Dahlin, M. Zäch, T. Rindzevicius, D.S. Sutherland, M. Käll, F. Höök.*
Journal of the American Chemical Society **2005**, 127 (14), 5043-5048 (article).

Publications: Review Articles

Sensing applications based on plasmonic nanopores: The hole story.
A.B. Dahlin.*
Analyst **2015**, 140 (14), 4748-4759 (critical review).

Promises and challenges of nanoplasmonic devices for refractometric biosensing.
A.B. Dahlin & N. Wittenberg, F. Höök, S.-H. Oh.*
Nanophotonics **2013**, 2 (2), 83-101 (review).

Size matters: Problems and advantages associated with highly miniaturized sensors.
A.B. Dahlin.*
Sensors **2012**, 12 (3), 3018-3036 (review).

Electrochemical plasmonic sensors.
A.B. Dahlin,* B. Dielacher, P. Rajendran, K. Sugihara, T. Sannomiya, M. Zenobi-Wong, J. Vörös.
Analytical and Bioanalytical Chemistry **2012**, 402 (5), 1773-1784 (review).

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Nanoplasmonic biosensing with focus on short-range ordered nanoholes in thin metal films (review).

M.P. Jonsson,* A.B. Dahlin, P. Jönsson, F. Höök.*

Biointerphases 2008, 3 (3), FD30-FD40 (in focus review).

Supported lipid bilayers, tethered lipid vesicles, and vesicle fusion investigated using gravimetric, plasmonic, and microscopy techniques.

F. Höök,* G. Stengel, A.B. Dahlin, A. Gunnarsson, M.P. Jonsson, P. Jönsson, E. Reimhult, L. Simonsson, S. Svedhem.

Biointerphases 2008, 3 (2), FA108-FA116 (in focus review, cover page featured).

Publications: Book Contributions

Nanoantennas for refractive index sensing.

T. Shegai,* M. Svedendahl, S. Chen, A.B. Dahlin, M. Käll.

Cambridge University Press 2013, Optical Nanoantennas, Edited by M. Agio (book chapter).

Performance of nanoplasmonic biosensors.

A.B. Dahlin,* M.P. Jonsson.

Springer 2012, Integrated Analytical Systems, Nanoplasmonic Sensors, Edited by A. Dmitriev, 231-265 (book chapter).

Nanoplasmonic sensing combined with artificial cell membranes.

M.P. Jonsson,* A.B. Dahlin, F. Höök.

Springer 2012, Integrated Analytical Systems, Nanoplasmonic Sensors, Edited by A. Dmitriev, 59-82 (book chapter).

Plasmonic biosensors: An integrated view of refractometric detection.

A.B. Dahlin.*

IOS Press 2012, Advances in Biomedical Spectroscopy 4 (sole author book).

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Selected Conference Contributions

Gordon Research Conference – Biointerface Science

Capturing proteins by facilitated diffusion through macromolecular gates on plasmonic nanopores (poster presentation).

Les Diablerets, Switzerland, 2016.

Elsevier – Biosensors 2016

Location-specific nanoplasmonic detection of biomolecular interactions on lipid membranes with negative curvature (oral presentation).

Gothenburg, Sweden, 2016.

15th Dresden Polymer Discussions

Macromolecular gates: Polymer brushes on nanopores (invited speaker).

Meissen, Germany, 2016.

Europt(r)ode 2016

Nanoplasmonic sensors: Utilizing nanoscale geometry (invited speaker).

Graz, Austria, 2016.

Nanobiotech Montreux

Polymer-functionalized plasmonic nanopores (poster presentation).

Montreux, Switzerland, 2015.

SciX 2015

Nanoplasmonic sensors: unique applications (invited speaker).

Providence, USA, 2015.

10th European Biophysics Congress

Nanosieves formed by poly(ethylene glycol) brushes on plasmonic nanopores (poster presentation).

Dresden, Germany, 2015.

Micronano System Workshop

Polymer gates in nanopores (poster presentation).

Uppsala, Sweden, 2014.

European Science Foundation – Biological Surfaces and Interfaces

Polymer brush morphology at nanopore openings (poster presentation).

Sant Feliu de Guixols, Spain, 2013.

Gordon Research Conference/Seminar – Biointerface Science

PEGs in pores – the struggle for freedom (poster/oral presentation).

Les Diablerets, Switzerland, 2012.

European Material Research Society – Spring Meeting

Biosensing with nanohole arrays – The (w)hole story (oral presentation).

Strasbourg, France, 2012.

Nanoplasmonic Sensing and Spectroscopy

Plasmonic monitoring of electrochemical processes (poster and oral presentation).

Göteborg, Sweden, 2011.

European Material Research Society – Spring Meeting

Plasmonic monitoring of electrochemical processes (keynote presentation).

Nice, France, 2011.

Third International NanoBio Conference

Electrochemical processes in plasmonic nanostructures (poster presentation).

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Zürich, Switzerland, 2010.

Gordon Research Conference/Seminar – Plasmonics

Electrochemical potential influence on nanoplasmonic resonances (poster/oral presentation).

Waterville, USA, 2010.

Elsevier – Biosensors World Congress 2010

Nanostructured surfaces for combined optical, mechanical and electrical sensing (poster presentation).

Glasgow, Scotland, 2010.

ETH – Functionalized Plasmonic Nanostructures for Biosensing

Combining nanoplasmonic sensors with electrochemistry (poster presentation).

Ascona, Switzerland, 2010.

Gordon Research Conference – Biointerface Science

Combining nanoplasmonics with lipid membranes (poster presentation).

Aussois, France, 2008.

China-Sweden Workshop on Nanoscience and Technology

Nanoplasmonic apertures for biosensing applications related to lipid membranes (invited speaker).

Beijing, China, 2008.

European Science Foundation - Biological Surfaces and Interfaces

Combining localized surface plasmon resonance with artificial lipid membranes (poster presentation).

Sant Feliu de Guixols, Spain, 2007.

Second Nanowire Symposium – Life Science

A nano-optical sensor for studies of lipid-membranes (oral presentation).

Lund, Sweden, 2006.

Gordon Research Conference – Biointerface Science

Localized surface plasmon resonance sensing of lipid membranes (poster presentation).

Les Diablerets, Switzerland, 2006.

American Chemical Society - Spring Meeting

Extinction spectroscopy for sensors based on localized surface plasmon resonance (oral presentation).

Atlanta, USA, 2006.

Max Planck Institute for Physics - Functional Solid Supported Biomolecular Lipid Membranes

Localized surface plasmon resonance sensing of reactions confined to lipid membranes (poster presentation).

Ringberg, Germany, 2005.

Reviewing Assignments

- **Nature Communications**
- **Scientific Reports (NPG)**
- **Nano Letters (ACS)**
- **ACS Nano**
- **Journal of the American Chemical Society (ACS)**
- **Chemistry of Materials (ACS)**
- **Analytical Chemistry (ACS)**
- **Langmuir (ACS)**
- **Journal of Physical Chemistry Letters (ACS)**
- **Journal of Physical Chemistry C (ACS)**
- **Biomacromolecules (ACS)**
- **ACS Applied Materials and Interfaces**
- **ACS Photonics**
- **Angewandte Chemie (Wiley)**
- **Advanced Materials (Wiley)**
- **Advanced Functional Materials (Wiley)**
- **Small (Wiley)**
- **Particle & Particle Systems Characterization (Wiley)**
- **Annalen der Physik (Wiley)**
- **Chemistry - An Asian Journal (Wiley)**
- **Physical Review Applied (APS)**
- **Nanoscale (RSC)**
- **Lab on a Chip (RSC)**
- **RSC Advances**
- **Analyst (RSC)**
- **Journal of Materials Chemistry B (RSC)**
- **Photonics and Nanostructures - Fundamentals and Applications (Elsevier)**
- **Sensors and Actuators B: Chemical (Elsevier)**
- **Colloids and Surfaces B: Biointerfaces (Elsevier)**
- **Electrochemistry Communications (Elsevier)**
- **Micron (Elsevier)**
- **Applied Surface Science (Elsevier)**
- **Analytical and Bioanalytical Chemistry (Springer)**
- **Plasmonics (Springer)**
- **Bionanoscience (Springer)**
- **Applied Physics Letters (AIP)**
- **Nanotechnology (IOP)**
- **Journal of Applied Physics (IOP)**
- **Journal of Optics (IOP)**
- **Journal of Physics D: Applied Physics (IOP)**
- **Science and Technology of Advanced Materials (IOP)**
- **Optics Express (OSA)**
- **Optical Materials Express (OSA)**
- **Biomedical Optics Express (OSA)**
- **Expert Review of Molecular Diagnostics (Informa Healthcare)**
- **Sensors (MDPI)**
- **Biosensors (MDPI)**
- **Current Nanoscience (Bentham)**
- **Progress in Electromagnetics Research**
- **Nanotechnology and Nanomaterials (InTech)**
- **Journal of Biosensors and Bioelectronics (OMICS)**
- **Journal of Nanophotonics (SPIE)**
- **IEEE Photonics**

- **United States Israel Binational Science Foundation**
- **National Science Foundation (USA)**
- **The Netherlands Organisation for Scientific Research (NWO)**

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- **M.J. Murdoch Charitable Trust (USA)**
- **Knut & Alice Wallenberg Foundation (Sweden)**