

Erasmus Mundus @Rice University

MONABIPHOT

Molecular Nano- and Biophotonics for
Telecommunications and Biotechnologies



Surbhi Lal

Executive Director, Laboratory for Nanophotonics,
Research Scientist, ECE department
Rice University, Houston TX.



Laboratory for Nanophotonics



Prof. Naomi Halas
Director, LANP



Surbhi Lal
Executive Director, LANP



Link



Nordlander



Landes



Hafner



Thomas



Zheng



Bao



Ringe

LANP Expertise

We are a RESOURCE for

- research breakthroughs and advances in the broad, multidisciplinary field of Nanophotonics, spanning the physical, chemical, biological and information sciences, of near and long-term societal benefit,
- team-building and collaborative opportunities in the field of Nanophotonics here at Rice, regionally, nationally and internationally,
- graduate education and training programs in Nanophotonics,
- undergraduate research experiences that will provide advantages in subsequent graduate and professional opportunities.

HOME OVERVIEW FACULTY RESEARCH TRAINING OPPORTUNITIES EVENTS PUBLICATIONS JOIN US CONTACT

LANP
LABORATORY FOR
NANOPHOTONICS

LANP
Laboratory for
NanoPhotonics

to INVENT
to UNDERSTAND
to DEVELOP
to SIMULATE
to CONTROL
to OPTIMIZE
to APPLY

NANOSCALE OPTICAL
ELEMENTS, COMPONENTS,
AND SYSTEMS

Link recipient of the Inaugural Nanotechnology Award

Congratulations to [Stephan Link](#) who was awarded the inaugural Outstanding Young Scientist Award from the NANOSMAT conference, one of Europe's premier annual meetings in nanoscience, nanotechnology, and nanotechnology. [Read More](#)

Halas' Nanoshells on cover of the NNI Budget Supplement

EVENTS

Seminar - 'Solar highways: core-shell nanowires for high-efficiency solar conversion' by Prof. Erik Garnett,

Tuesday, May 6, 2014, 03:45 PM - 04:45 PM
Duncan Hall 1070
[More info](#)

+ explore events

<http://lanp.rice.edu/>

Erasmus Mundus Partners

- Ecole normale supérieure de Cachan - Institut d'Alembert Cachan (Paris area), France (coordinator).
- Universidad Complutense, Madrid, Spain.
- University of Wrocław, Wrocław, Poland.
- Wrocław University of Technology (WUT), Wrocław, Poland.



Porquerolles!



How the Consortium Works

STUDENTS:

- MONABIPHOT students email Prof. Halas with a CV, and the area of research they are interested in.
- Match to Faculty with similar interest
- Process paper work for Students

FACULTY:

- Provide input to Prof. Isabelle Ledoux-Rak on student recruitment
- Work with Faculty at Rice when placing students

Administrative Requirements

1. Recent CV
2. Dates? Length of stay?
3. Copy of your passport ID page
4. Copy of all previous US visas and immigration documents if applicable
If bringing dependents, copies of their passport pages and proof of relationship
- 5. Proof of funding (minimum of \$2,000/month).**
6. DS-2019 form
7. DS-7002 form (Training/Internship Placement Plan)
8. Addendum A – Current college enrollment
9. Addendum B –
10. A letter from the Rice attesting the individual has adequate English skills.
11. A letter from the student's university stating that they are in good standing.

MONABIPHOT Students @Rice



Irenuesz Bulik

Wroclaw University of Technology

Current: PhD @ Rice University

Vibrational contributions to non-linear optical properties of molecules



Pawel Wozniak

Wroclaw University of Technology

Current: PhD @ Max Planck Institute

Built microscope for single particle dark field microspectroscopy

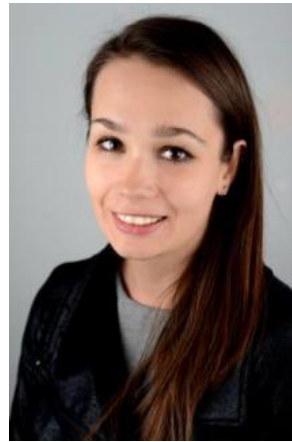
MONABIPHOT Students @Rice



Witold Mielczarek
Wroclaw University of
Technology

Current: PhD @ Heriot-Watt
Uni., Scotland.

*Optical resonances of gold
nanodisk clusters
and their potential for LSPR
sensing.*



Marta Gordel
Wroclaw University of
Technology

Current: PhD @ WUT

*Synthesis of dual mode
theranostic nanoparticles for
biomedical imaging and
photothermal therapy.*



Radoslaw Kolkowski
Wroclaw University of
Technology

Current: PhD @ WUT

*Plasmon Hybridization of
Heterodimers.*

MONABIPHOT Students @Rice



Shu Tian

Ecole normale supérieure de
Cachan - Institut d'Alembert
Cachan

Current: PhD @ Rice University

*Nanoshell-enabled Plasmonic
Photothermal Bioethanol
Production*



Lixia Wei

Ecole normale supérieure de Cachan
- Institut d'Alembert
Cachan

Current: Summer Research at Rice U

Summary

- Erasmus Mundus (action 3) and now the Erasmus + MONABIPHOT program collaborations are ongoing
- Students – Bright, intelligent and enthusiastic
- The funding both for students and Rice has been less than optimal!

Overall this has been a productive student exchange program,

But

This does not foster any collaborations with other research groups in Europe