

MARCH 19 – 22, 2018

# GRADUATE DAYS

## SCIENTIFIC LECTURES LONG COURSE

QUANTUM OPTIMAL CONTROL  
OF MOLECULAR PROCESSES  
**PROF. REGINA DE VIVIE-RIEDLE**  
*Ludwig-Maximilian-Universität München,  
Department of Chemistry, Germany*

FROM SINGLE MOLECULES  
TO FUNCTIONAL BIOMATERIALS  
**DR. COSTANZE LAMPRECHT**  
*Universität Freiburg and Freiburg Center  
for Interactive Materials, Germany*

WATER: THE MOST  
ANOMALOUS LIQUID  
**PROF. ANDERS NILSSON &  
DR. FOIVOS PERAKIS**  
*Stockholm University, Department  
of Physics, Sweden*

## SCIENTIFIC LECTURES SHORT COURSE

TOPOLOGICAL MATTER:  
A JOURNEY FROM SOLID STATE TO  
SYNTHETIC QUANTUM SYSTEMS  
**DR. MARCELLO DALMONTE**  
*The Abdus Salam International Centre  
for Theoretical Physics, Trieste, Italy*

DRUG DELIVERY SYSTEMS  
FOR ANTIMICROBIALS  
**PROF. HANNE MØRCK NIELSEN**  
*University of Copenhagen, Department  
of Pharmacy, Denmark*

MACROSCOPIC ASSEMBLIES  
OF NANOCRYSTALS AND THEIR  
APPLICATIONS  
**PROF. ALEXANDER EYCHMÜLLER**  
*Technische Universität Dresden,  
Department of Chemistry and Food  
Chemistry, Germany*

## PRACTICAL AND SOFT SKILLS

INTERCULTURAL COMPETENCE  
**CHANTAL ROSE**  
*Jugendbildung Hamburg gGmbH,  
Hamburg, Germany*

FINDING CONNECTIONS:  
BUILDING A NETWORK FOR  
CAREER AND COLLABORATIONS  
**ROB THOMPSON**  
*RTTA – Soft skills for real results,  
Frankfurt, Germany*

SCIENCE COMMUNICATION  
– TO THE PUBLIC, INSIDE YOUR  
FIELD AND THE BENEFITS  
**DR. ANDRÉ LAMPE**  
*Laser physicist – Moderator –  
Science communicator, Berlin, Germany*

MATLAB: INTRODUCTION  
AND REAL WORLD USE-CASES  
FOR MEASUREMENTS AND  
SIMULATION  
**BODO P. KRAUSE-KYORA**  
*Universität Hamburg, Germany*

ADVANCED PYTHON  
TECHNIQUES AND MACHINE  
LEARNING  
**BERND KLEIN**  
*Bodenseo, Singen, Germany*

## COLLOQUIUM / INDUSTRY

MOLECULAR SYSTEMS  
ENGINEERING WITH DNA  
**PROF. HENDRIK DIETZ**  
*Technische Universität München,  
Department of Physics, Germany*

OUT OF THIN AIR  
**DR. ALINA CHANAWEA**  
*Skytree, Amsterdam,  
The Netherlands*

REGISTRATION AND  
MORE INFORMATION:  
[www.cui.uni-hamburg.de/en/graduate-days](http://www.cui.uni-hamburg.de/en/graduate-days)

