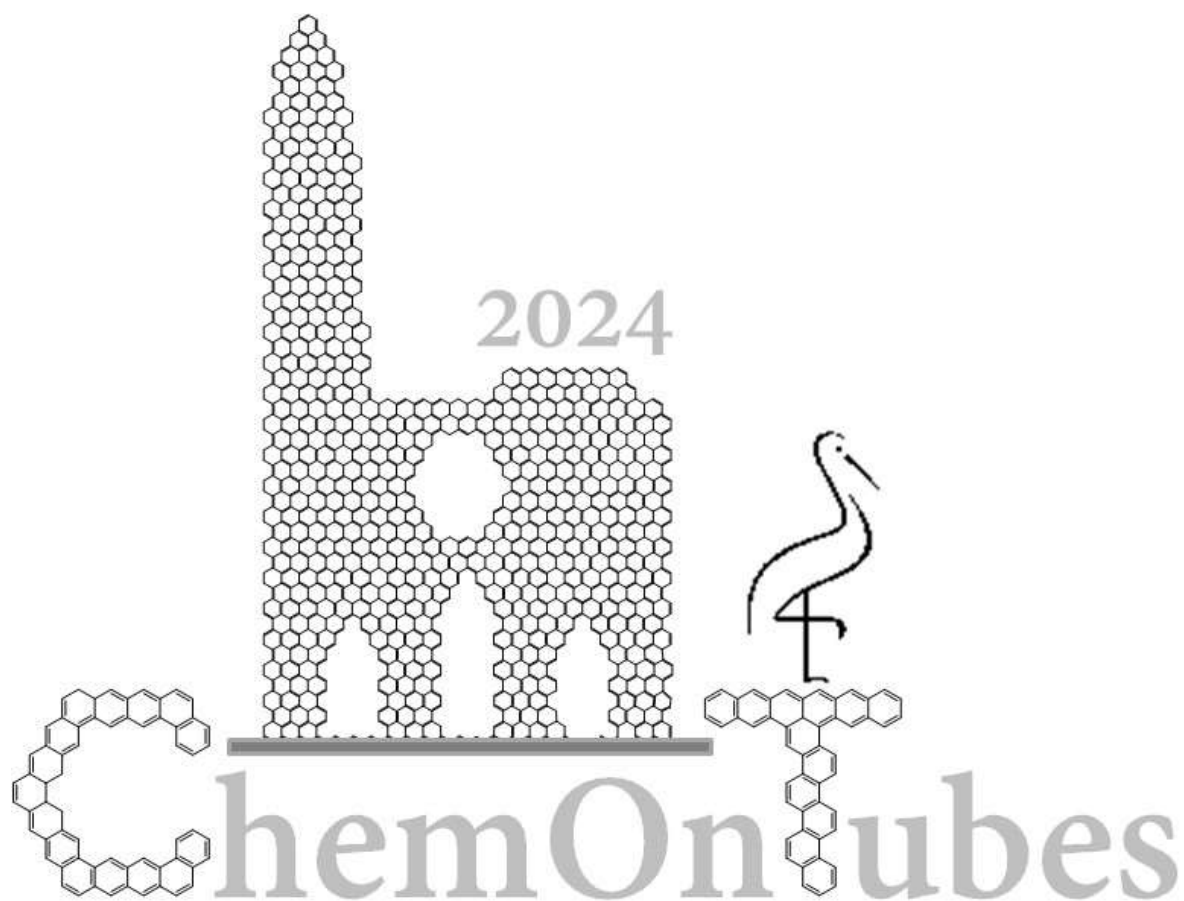


ChemOnTubes 2024



Strasbourg, France

7-11 April 2024



Conference Chairs

Alberto Bianco
Cécilia Ménard-Moyon

Local Organizing Committee

Alberto Bianco
Cécilia Ménard-Moyon
Isabelle Clauss
Hélène Dumortier
Riccardo Pinotti
Céline Corcelle

ChemOnTubes Strategic Committee

Alain Penicaud
Maurizio Prato
Alberto Bianco
Milo Shaffer
Oren Regev
Ester Vazquez
Eric Anglaret
Aldo José Gorgatti Zarbin
Martin Kalbac
Ana Benito
Wolfgang Maser



International Advisory Committee

Cinzia Casiraghi
Dirk Guldi
Nicholas Kotov
Silvia Marchesan
Aurelio Mateo-Alonso
Diego Peña
Alain Penicaud
Sabine Szunerits
Mauricio Terrones
Ester Vazquez

Location



OPENING: Institut de Science et d'Ingénierie Supramoléculaires (ISIS), 8 Allée Gaspard Monge, 67000 Strasbourg



CONGRESS: Collège Doctoral Européen (CDE), 46 Boulevard de la Victoire, 67000 Strasbourg

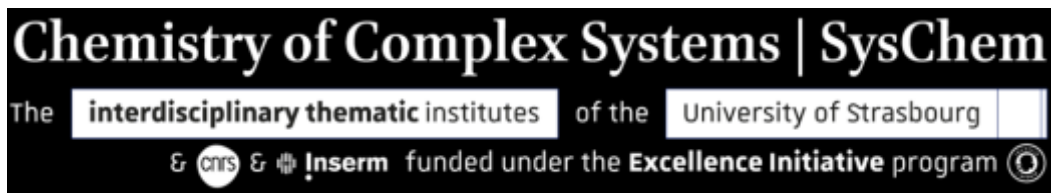


Sponsors

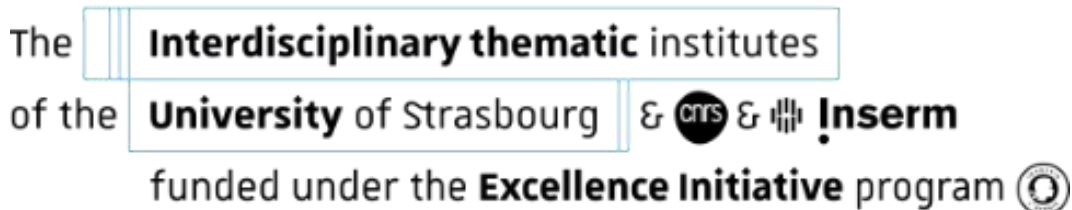
Companies **Gold**



Academics/Societies **Gold**



Quantum science & nanomaterials | QMat





Sponsors

Companies Silver



Academics/Societies Silver



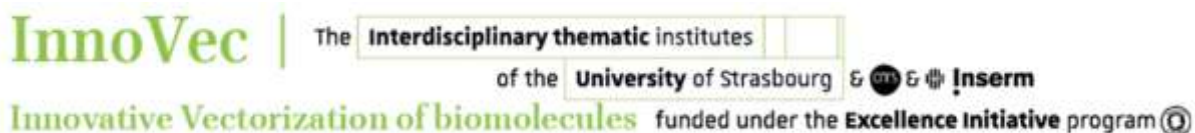


Sponsors

Companies **Bronze**



Academics/Societies **Bronze**





Sponsors

Journals



ELSEVIER



WILEY-VCH



**SUNDAY 7th April (Location ISIS)**

| | |
|---|---|
| 15h00 | Registration |
| 17h00-17h15 | Opening: Cécilia Ménard-Moyon & Alberto Bianco |
| Section 1 – Chair: Cécilia Ménard-Moyon | |
| 17h15-18h00 | I1. Michael Strano Massachusetts Institute of Technology, Cambridge, Massachusetts, USA Corona Phase Molecular Recognition at Carbon Nanotube Surfaces |
| 18h00-18h20 | O1. Matteo Palma Queen Mary University of London, UK Carbon Nanotube Nanohybrids: Strategies for Heterostructure Formation and Device Implementation |
| 18h20-18h40 | O2. Emeline Charon CEA Paris-Saclay, France Long and dense VACNT grown at low temperature by a one-step CCVD process |
| 18h40-20h30 | Welcome buffet (ISIS) |

MONDAY 8th April (Location CDE)

| | |
|-----------------------------------|--|
| Section 2 – Chair: Ana Benito | |
| 9h30-10h15 | I2. Juan J. Vilatela Institute IMDEA Materials, Madrid, Spain Macroscopic fibres of carbon nanotube intercalation compounds |
| 10h15-10h35 | O3. Nicole Iverson University of Nebraska Lincoln, NB, USA Self-healing Hydrogels for In Vivo Carbon Nanotube Sensor Delivery |
| 10h35-10h55 | O4. Mainak Majumder Monash University, Clayton, Australia Realization of practical Graphene Oxide membranes for molecular separations |
| 10h55-11h15 | O5. Ester Vázquez Universidad de Castilla-La Mancha, Ciudad Real, Spain A Prato Tour on Carbon Nanotubes |
| 11h15-11h45 | Coffee break |
| Section 3 – Chair: Michael Strano | |
| 11h45-12h30 | I3. Tatiana Da Ros University of Trieste, Italy Tubes, dots and... Carbon in various nanoforms and their applications |
| 12h30-12h50 | O6. Shigeo Maruyama The University of Tokyo, Japan Variations of one-dimensional vdW heterostructures based on single-walled carbon nanotubes |



| | |
|---------------------------------|---|
| 12h50-13h10 | O7. Ravindra Pandey Michigan Technological University, Houghton, Michigan, USA Micromechanical Response of epoxy/BMI Composites with graphene |
| 13h10-13h30 | O8. Martin Kalbac J. Heyrovsky Institute of Physical Chemistry of the Czech Academy of Sciences, Prague, Czech Republic Towards ultraclean chemically functionalized 2D materials |
| 13h30-15h00 | Lunch |
| Section 4 – Chair: Milo Shaffer | |
| 15h00-15h45 | I4. Ya-Ping Sun Clemson University, South Carolina, USA Nanoscale carbon allotrope at zero-dimension: From small carbon nanoparticles to carbon dots and their organic hybrids |
| 15h45-16h05 | O9. Sofie Cambré University of Antwerp, Belgium Triplet excitons in sp ³ -functionalized single-walled carbon nanotubes by Optically-Detected Magnetic Resonance |
| 16h05-16h25 | O10. Xin Chen Freie Universität Berlin, Germany Covalent Assembly of Patterned Graphene/MoS ₂ Heterostructures |
| 16h25-16h45 | O11. Stéphane Campidelli Université Paris-Saclay, CEA, CNRS, Gif-sur-Yvette, France Interplay of structure and photophysics of individualized rod-shaped graphene quantum dots |
| 16h45-17h10 | Coffee break |
| Section 5 – Chair: Eric Doris | |
| 17h10-17h30 | Sponsor presentation Oxford Instruments, Nanocyl, Nopo, Carbon Waters |
| 17h30-17h50 | O12. Matteo Sensi University of Modena and Reggio Emilia, Italy Reduced Graphene Oxide Electrolyte-Gated Transistor Immunosensor for Detection of Anti-Drug Antibodies: How Biorecognition Affects the Electronic Properties of rGO? |
| 17h50-18h10 | O13. Paola Ayala University of Vienna, Austria Using B-doped Single-Walled Heteronanotubes as Nanoreactors |
| Flash contributions | |
| 18h10-18h15 | F1. Joselyn Benalcazar |
| 18h15-18h20 | F2. Bowen Yang |
| 18h20-18h25 | F3. Tamara Nagel |
| 18h25-18h30 | F4. Justus Metternich |
| 18h30-20h00 | Poster session & Cocktail (CDE) |

**Tuesday 9th April (Location CDE)**

Section 6 – Chair: Michael Mastalerz

| | |
|-------------|--|
| 9h30-10h15 | I5. Yan Li Peking University, Beijing, China Growth Modes of Single-Walled Carbon Nanotubes on Catalysts |
| 10h15-10h35 | O14. Victor Calvo Instituto de Carboquímica, ICB-CSIC, Zaragoza, Spain Sustainable dispersions of carbon nanomaterials for the sensitive detection of emerging urban water pollutants |
| 10h35-10h55 | O15. Xinyi Fu Kyoto University, Japan Size-Tunable Diameter Separation of SWNTs by Changing the Metals Coordinating with Phenanthroline-Based Nanocalipers |
| 10h55-11h15 | O16. Aldo J. G. Zarbin Universidade Federal do Paraná, Curitiba, Brazil Nanoarchitected thin films based on low dimensional nanostructures: finding high performance materials for sustainable energy devices |
| 11h15-11h45 | Coffee break |

Section 7 – Chair: Elisa Orth

| | |
|-------------|---|
| 11h45-12h30 | I6. Milo Shaffer Imperial College London, UK Assembly, analysis, and application of nanocarbons in composites and electrodes |
| 12h30-12h50 | O17. Tiago Serodre Université de Montpellier, France Novel Synthesis of Thermoresponsive SWCNT/PNIPAM Hybrids |
| 12h50-13h10 | O18. Carola Meyer University of Osnabrück, Germany Covalent functionalization of CNTs for molecule and spin sensing |
| 13h10-13h30 | O19. Hayato Otsuka Shinshu University, Japan Nanocrystals-wrapping with intrinsic graphene oxide |
| 13h30-15h00 | Lunch |

Section 8 – Chair: Minfang Zgang

| | |
|-------------|--|
| 15h00-15h45 | I7. Sang Ouk Kim Korea Advanced Institute of Science and Technology, Daejeon, Republic of Korea Graphene Based Materials towards Post-AI Era: Smart Fibers, Soft Robotics & Single Atom Catalysts |
| 15h45-16h05 | O20. François Henn Université de Montpellier, CNRS, France |



| | |
|----------------------------------|--|
| 16h05-16h25 | Investigate the interaction of a Biological Ionic Chanel with a SWCNT O21. Mounika Joharian Grenoble Alpes University, France Enhanced Bioelectrocatalysis and H ₂ O ₂ Sensing via Dual-Encapsulation in Zeolitic Imidazolate Frameworks at Multi-Walled Carbon Nanotube |
| 16h25-16h45 | O22. Sebastian Kruss Bochum University, Germany Quantum defects in carbon nanotubes for functionalisation and sensing |
| 16h45-17h10 | Coffee break |
| Section 9 – Chair: Naoki Komatsu | |
| 17h10-17h30 | O23. Daniel Iglesias Universidad de Castilla-La Mancha, Ciudad Real, Spain Understanding the Raman enhancement of carbon nanohorns labelled with organic molecules: towards imaging techniques |
| 17h30-17h50 | O24. Dakyeon Lee Pohang University of Science and Technology, Republic of Korea High-throughput evolution based near-infrared nanosensors with 3D printed spheroids for prostate cancer cell diagnosis and therapy |
| 17h50-18h10 | O25. Oren Regev Ben Gurion University of the Negev, Beer-Sheva, Israel Thermally Conductive Molten Salt for Thermal Energy Storage: Synergistic Effect of a Hybrid Nanoplatelet Filler |
| Flash contributions | |
| 18h10-18h15 | F5. Riccardo Pinotti |
| 18h15-18h20 | F6. Stefania Benazzato |
| 18h20-18h25 | F7. Sajjadi Sayyed Hashem |
| 18h25-18h30 | F8. Eira Anais Zamudio Medina |
| 18h30-20h00 | Poster session & Cocktail (CDE) |

Wednesday 10th April (Location CDE)

Section 10 – Chair: Juan J. Vilatela

| | |
|-------------|---|
| 9h30-10h15 | I8. Naoki Komatsu Kyoto University, Japan Separation of Carbon Nanotubes through Host-Guest Chemistry |
| 10h15-10h35 | O26. Gunther Van Kerckhove OCSiAl Europe Sarl, Leudelange, Luxembourg Raman spectroscopy elucidates the transformation of single-walled carbon nanotubes following abrasive wear of epoxy coatings |
| 10h35-10h55 | O27. M. Antonia Herrero Chamorro Universidad de Castilla-La Mancha, Ciudad Real, Spain Graphene: A Versatile Platform Requiring Quantification |
| 10h55-11h15 | O28. Yahya Rabbani |



| | |
|-----------------------------------|--|
| | Ecole Polytechnique Fédérale de Lausanne, Lausanne, Switzerland Prediction of mycotoxin response of DNA-wrapped nanotube sensor with machine learning |
| 11h15-11h45 | Coffee break |
| Section 11 – Chair: Sang Ouk Kim | |
| 11h45-12h30 | I9. Minfang Zhang National Institute of Advanced Industrial Science and Technology, Tsukuba, Japan Carbon Nanotube Biodegradation: Quantitative Assessment and Risk Management Perspectives |
| 12h30-12h50 | O29. Giuseppe Misia University of Trieste, Italy Voltammetric sensor for detection of serotonin, based on MWCNT-AuNPs-MIP modified screen-printed electrodes |
| 12h50-13h10 | O30. Aina Fitó Parera University of Antwerp, Belgium Mild opening procedure to achieve open and long SWCNTs |
| 13h10-13h30 | O31. John S. Bulmer Air Force Research Laboratory, Wright-Patterson AFB, Ohio, USA Exploring Carbon Nanotube Fiber Conductivity with Extreme Environments |
| 13h30-15h00 | Lunch |
| Section 12 – Chair: Yuta Nishina | |
| 15h00-15h45 | I10. Michael Mastalerz Ruprecht-Karls Universität Heidelberg, Germany Contorted and Twisted Chiral Polycyclic Aromatic Hydrocarbons |
| 15h45-16h05 | O32. Emmanuel Flahaut CIRIMAT, Université de Toulouse, CNRS, France CNT:Hydrogel nanocomposites for non-invasive transdermal drug delivery |
| 16h05-16h25 | O33. Matteo Lucherelli Universidad de Valencia, Spain Properties and biomedical applications of high-colloidally stable carbon nano onions |
| 16h25-17h00 | Coffee Break |
| Section 13 – Chair: Eric Anglaret | |
| 17h00-17h20 | O34. Wolfgang Maser Instituto de Carboquímica, ICB-CSIC, Zaragoza, Spain Graphene Oxide: A unique macromolecular platform for developing novel functional hybrids with conjugated polymer nanoparticles |
| 17h20-17h40 | O35. Paul Debes Justus-Liebig University, Giessen, Germany Functional Groups Accessibility and the Origin of Photoluminescence in N/O-containing Bottom-up Carbon Nanodots |



| | |
|-------------|--|
| 17h40-18h00 | O36. Christian Halbig Freie Universität Berlin, Germany Understanding the mechanism of wet chemical graphene oxide formation and the limitations in its structural analysis |
| 19h30-3h00 | Gala dinner (Pavillon Joséphine, l'Orangerie, Strasbourg) |

Thursday 11th April (Location CDE)

Section 14 – Chair: Tatiana Da Ros

| | |
|---|--|
| 10h00-10h45 | I11. Eric Doris Alternative Energies and Atomic Energy Commission, Paris-Saclay, France Nanohybrid catalysts applied to synthetic transformations |
| 10h45-11h00 | Coffee break |
| Section 15 – Chair: Cécilia Ménard-Moyon & Alberto Bianco | |
| 11h00-11h20 | Awards: orals & posters |
| 11h20-11h40 | O37. Alex Adronov McMaster University, Hamilton, Canada Dispersion of Single-Walled Carbon Nanotubes with Polymers Having Cleavable Sidechains |
| 11h40-12h00 | O38. Elisa Orth Universidade Federal do Paraná, Curitiba, Brazil Nanofunctionalization: How Good Can it Get? |
| 12h00-12h20 | O39. Emilio Perez Institute IMDEA Nanociencia, Madrid, Spain Mechanochemical Synthesis of Mechanically-Interlocked SWNT Derivatives |
| 12h20-12h40 | O40. Yuta Nishina Okayama University, Japan Viral adsorption/desorption on graphene oxide sheets |
| 12h40 | Announcement of ChemOnTubes2026 & Closure |



Invited presentations

I1. Michael Strano

Corona Phase Molecular Recognition at Carbon Nanotube Surfaces

I2. Juan J. Vilatela

Macroscopic fibres of carbon nanotube intercalation compounds

I3. Tatiana Da Ros

Tubes, dots and... Carbon in various nanoforms and their applications

I4. Ya-Ping Sun

Nanoscale carbon allotrope at zero-dimension: From small carbon nanoparticles to carbon dots and their organic hybrids

I5. Yan Li

Growth Modes of Single-Walled Carbon Nanotubes on Catalysts

I6. Milo Shaffer

Assembly, analysis, and application of nanocarbons in composites and electrodes

I7. Sang Ouk Kim

Graphene Based Materials towards Post-AI Era: Smart Fibers, Soft Robotics & Single Atom Catalysts

I8. Naoki Komatsu

Separation of Carbon Nanotubes through Host-Guest Chemistry

I9. Minfang Zhang

Carbon Nanotube Biodegradation: Quantitative Assessment and Risk Management Perspectives

I10. Michael Mastalerz

Contorted and Twisted Chiral Polycyclic Aromatic Hydrocarbons

I11. Eric Doris

Nanohybrid catalysts applied to synthetic transformations

Oral presentations

O1. Matteo Palma

Carbon Nanotube Nanohybrids: Strategies for Heterostructure Formation and Device Implementation

O2. Emeline Charon

Long and dense VACNT grown at low temperature by a one-step CCVD process

O3. Nicole Iverson

Self-healing Hydrogels for In Vivo Carbon Nanotube Sensor Delivery

O4. Mainak Majumder

Realization of practical Graphene Oxide membranes for molecular separations

O5. Ester Vázquez

A Prato Tour on Carbon Nanotubes

O6. Shigeo Maruyama

Variations of one-dimensional vdW heterostructures based on single-walled carbon nanotubes

O7. Ravindra Pandey

Micromechanical Response of epoxy/BMI Composites with graphene



O8. Martin Kalbac

Towards ultraclean chemically functionalized 2D materials

O9. Sofie Cambré

Triplet excitons in sp³-functionalized single-walled carbon nanotubes by Optically-Detected Magnetic Resonance

O10. Xin Chen

Covalent Assembly of Patterned Graphene/MoS₂ Heterostructures

O11. Stéphane Campidelli

Interplay of structure and photophysics of individualized rod-shaped graphene quantum dots

O12. Matteo Sensi

Reduced Graphene Oxide Electrolyte-Gated Transistor Immunosensor for Detection of Anti-Drug Antibodies: How Biorecognition Affects the Electronic Properties of rGO?

O13. Paola Ayala

Using B-doped Single-Walled Heteronanotubes as Nanoreactors

O14. Victor Calvo

Sustainable dispersions of carbon nanomaterials for the sensitive detection of emerging urban water pollutants

O15. Xinyi Fu

Size-Tunable Diameter Separation of SWNTs by Changing the Metals Coordinating with Phenanthroline-Based Nanocalipers

O16. Aldo J. G. Zarbin

Nanoarchitected thin films based on low dimensional nanostructures: finding high-performance materials for sustainable energy devices

O17. Tiago Serodre

Novel Synthesis of Thermoresponsive SWCNT/PNIPAM Hybrids

O18. Carola Meyer

Covalent functionalization of CNTs for molecule and spin sensing

O19. Hayato Otsuka

Nanocrystals-wrapping with intrinsic graphene oxide

O20. François Henn

Investigate the interaction of a Biological Ionic Chanel with a SWCNT

O21. Mounika Joharian

Enhanced Bioelectrocatalysis and H₂O₂ Sensing via Dual-Encapsulation in Zeolitic Imidazolate Frameworks at Multi-Walled Carbon Nanotube

O22. Sebastian Kruss

Quantum defects in carbon nanotubes for functionalisation and sensing

O23. Daniel Iglesias

Understanding the Raman enhancement of carbon nanohorns labelled with organic molecules: towards imaging techniques

O24. Dakyeon Lee

High-throughput evolution-based near-infrared nanosensors with 3D printed spheroids for prostate cancer cell diagnosis and therapy

O25. Oren Regev

Thermally Conductive Molten Salt for Thermal Energy Storage: Synergistic Effect of a Hybrid Nanoplatelet Filler



O26. Gunther Van Kerckhove

Raman spectroscopy elucidates the transformation of single-walled carbon nanotubes following abrasive wear of epoxy coatings

O27. M. Antonia Herrero Chamorro

Graphene: A Versatile Platform Requiring Quantification

O28. Yahya Rabbani

Prediction of mycotoxin response of DNA-wrapped nanotube sensor with machine learning

O29. Giuseppe Misia

Voltammetric sensor for detection of serotonin, based on MWCNT-AuNPs-MIP modified screen-printed electrodes

O30. Aina Fitó Parera

Mild opening procedure to achieve open and long SWCNTs

O31. John S. Bulmer

Exploring Carbon Nanotube Fiber Conductivity with Extreme Environments

O32. Emmanuel Flahaut

CNT:Hydrogel nanocomposites for non-invasive transdermal drug delivery

O33. Matteo Lucherelli

Properties and biomedical applications of high-colloidally stable carbon nano onions

O34. Wolfgang Maser

Graphene Oxide: A unique macromolecular platform for developing novel functional hybrids with conjugated polymer nanoparticles

O35. Paul Debes

Functional Groups Accessibility and the Origin of Photoluminescence in N/O-containing Bottom-up Carbon Nanodots

O36. Christian Halbig

Understanding the mechanism of wet chemical graphene oxide formation and the limitations in its structural analysis

O37. Alex Adronov

Dispersion of Single-Walled Carbon Nanotubes with Polymers Having Cleavable Sidechains

O38. Elisa Orth

Nanofunctionalization: How Good Can it Get?

O39. Emilio Perez

Mechanochemical Synthesis of Mechanically-Interlocked SWNT Derivatives

O40. Yuta Nishina

Viral adsorption/desorption on graphene oxide sheets

Flash presentations

F1. Joselyn Benalcazar

Understanding the applicability of zig-zag single-walled carbon nanotubes sorted by gel chromatography

F2. Bowen Yang

Highly Efficient and Reversible Laser Patterning of Graphene via an Iodine Compound



F3. Tamara Nagel

Towards highly controlled 2D-Engineering of Graphene

F4. Justus Metternich

Assembly of Nanosensors with Guanine Quantum Defects

F5. Riccardo Pinotti

Cell membrane-coated carbon nanotubes for targeted anti-inflammatory treatment of rheumatoid arthritis

F6. Stefania Benazzato

Enhanced adsorption of methylene blue dye on functionalized multi-walled carbon nanotubes

F7. Sayyed Hashem Sajjadi

Photoluminescence Brightening of Single-walled Carbon Nanotubes through Conjugation with Graphene Quantum Dots

F8. Eira Anais Zamudio Medina

Growth and etching kinetics of individual SWCNTs from in situ optical microscopy

Poster presentations

P1. H. Enis Karahan

Boron-Doped Carbon Dots Prepared from European Alkaligrass via Hydrothermal Conversion

P2. Justus T. Metternich

Assembly of Nanosensors with Guanine Quantum Defects

P3. Joselyn Benalcazar

Understanding the applicability of zig-zag single-walled carbon nanotubes sorted by gel chromatography

P4. Bowen Yang

Highly Efficient and Reversible Laser Patterning of Graphene via an Iodine Compound

P5. Guillaume Donadey

Carbon nanotube-based porous material as a novel gas diffusion layer in proton exchange membrane fuel cell (PEMFC)

P6. Luca Cartabia

Cu/g-C₃N₄ Hybrid Materials for Electro- and Photocatalysis

P7. Mohsen Adeli

Design and synthesis of two-dimensional polymers for pathogen blocking

P8. Shunyu Xiang

Carbon nanotube and 2D material loaded double network hydrogels for photocontrolled drug release

P9. Adrien Boissenin

Development and study of laminated composite material integrating carbon nanotubes for launcher cryogenic tank application

P10. Tamara Nagel

Towards highly controlled 2D-Engineering of Graphene

P11. Mónica Paz-Insua

Orthogonal functionalization of Graphene Oxide for ECL beads-based immunoassay



P12. Ion Isasti

Extending the useful life of wind turbine coatings using Mechanically Interlocked Single-Wall Carbon Nanotubes

P13. Carlos Martínez-Barón

Graphene oxide as charge transfer agent in enamino-xanthene/TiO₂ sensitized photoanodes

P14. Zhengfeng Gao

Graphene Oxide Conjugated with Antimicrobial Peptides Against Bacterial Infections

P15. José M. González-Domínguez

Green processing of carbon nanofibers via cellulose nanocrystals and its relevance towards sustainable e-textiles

P16. Siyao Qin

Multifunctional graphene-family nanomaterials for combined phototherapy and chemotherapy

P17. Miguel Ángel López Carrillo

Hyperspectral Detection of the Fluorescence Shift between Chirality-Sorted Single-Wall Carbon Nanotube Enantiomers

P18. David Tilve-Martinez

Liquid processing of silicon nanowires into macrostructures

P19. Johanna Krüger

Spatially-resolved 2D Laser Writing of Graphene with Diazonium Salts

P20. He Yilin

Liquid-phase exfoliation of graphite and boron nitride using water-soluble fluorescent dyes

P21. Sayyed Hashem Sajjadi

Micropreparative gel electrophoresis for purification of nanoscale bioconjugates

P22. Edgar Muñoz

MoS₂/Carbon Nanotube Hybrid Sensor Layers for NO₂ Detection

P23. Eira Anais Zamudio Medina

Growth and etching kinetics of individual SWCNTs from in situ optical microscopy

P24. Janica Iwona

Novel 2D MoS₂/nanoparticle nanocomposites towards photothermal therapy

P25. Luc Chavignon

Optical spectroscopic studies of the adsorption and coverage of drugs on SWNT

P26. Mariana M. da Silva

Soft actuators based on thermoplastic polyurethane/SWCNT composites

P27. Cristiano Rodrigo Bohn Rhoden

Removal of selective serotonin reuptake inhibitor using magnetic graphene oxide derivatives: adsorption study in low drug concentration using HPLC quantification, in vitro safety, and phytotoxicity

P28. Dong Lu

Preparation of visible light excitable phosphorescent carbon dots and their optical applications

P29. Alain Pénicaud

Influence of Defects and Charges on the Colloidal Stabilization of Graphene in Water



P30. Rosa Garriga

Soft-Chemistry Strategy for High-Density Amine-Functionalization of AFM Probes for Mapping MoS₂ and Graphene Domains

P31. Ana Inés de Isidro-Gómez

Structure and Charge Transfer in Fibers of Carbon Nanotube Intercalation Compounds

P32. Yamaldi Midiladji Bakary

Encapsulation of dicyanodistyrylbenzene in single-wall carbon nanotubes

P33. Ana M. Benito

Synthesis of green emissive Carbon Dots: Structure, photoluminescence, photostability, and their use in TiO₂ photoanodes for photoelectrochemical water splitting

P34. Estefânia Mara do Nascimento Martins

Ox-MWCNT-Chitosan-Peptides Nanoplatfom: A Non-Cytotoxic and Immunogenic Approach Able to Elicit Protection Against Paracoccidioidomycosis

P35. Vincent Jourdain

Ultra-Low Noise Measurements of Ionic Transport Within Individual Single-Walled Carbon Nanotubes

P36. Salomé Forel

SWCNT as a template for new stacking state of dicyanodistyrylbenzene derivatives

P37. Sayyed Hashem Sajjadi

Photoluminescence Brightening of Single-walled Carbon Nanotubes through Conjugation with Graphene Quantum Dots

P38. Yalei Hu

Development of chiral carbon dots and red-emissive carbon dots for biomedical applications

P39. Riccardo Pinotti

Cell membrane-coated carbon nanotubes for targeted anti-inflammatory treatment of rheumatoid arthritis

P40. Kevin Gerein

Modular Chemical Patterning of Graphene by Direct Laser Writing Using λ^3 iodanes

P41. Justus T. Metternich

Signal Amplification and Near-Infrared Translation of Enzymatic Reactions by Nanosensors

P42. Tengfei Wang

Biodegradation of carbon nanomaterials by enzymatic catalysis: the influence of material composition

P43. Zechariah Mengrani

Biomolecular Carbon Nanotube Junctions

P44. Benazzato Stefania

Enhanced adsorption of methylene blue dye on functionalized multi-walled carbon nanotubes

P45. Sara Behjati

Engineering pH resilience in optical nanotube sensors for biomedical applications