



**Cristina Djinović Carugo** received her MSc in Chemistry from University of Ljubljana, Slovenia, as well as her PhD in Structural Biology at the University of Pavia, Italy in 1992. After post-doctoral stage at the University of Pavia, she moved to the European Molecular Biology Laboratory in Heidelberg, Germany (1995), where she stayed first as EMBO postdoctoral fellow and then as EMBL staff scientist. In 1999 she joined Elettra - Sincrotrone Trieste, Italy, where she headed the Unit of Structural Biology and Crystallography. In 2004 she moved to University of Vienna, Austria, where she holds the Chair of Molecular Structural biology and since 2009 she is the Head of the Department of Structural and Computation Biology at the University of Vienna. The main focus of her research is the investigation of the molecular mechanisms underlying the assembly and architecture of sarcomeric Z-disk, employing an integrative structural biology approach. Other two long standing research lines revolve around structure-function analysis of metallo-enzymes involved in protection from chemical and oxidative damage and around methods development for customised protein crystallisation based on biophysical properties, and for structure analysis of dynamic/disordered systems using solution scattering and NMR combined with selective labelling.



**Anna Tampieri**, Chemist, holds a 30 years of experience in Material Science, particularly addressed to biomimetic materials and devices for regeneration of hard and soft tissues and organs. She authored more than 200 scientific papers published on peer-reviewed Journals and about 20 book chapters (H index = 48 based on Scopus). She is inventor of 16

National and International patents, several of which are licensed to companies acting in the biomedical fields and translated to 7 commercial products. She is Editor of a monography dealing with bio-inspired approaches in regenerative medicine, and Guest Editor of several international scientific journals. Coordinator of 8 EC-funded Projects belonging to the 6<sup>th</sup> and the 7<sup>th</sup> European framework programmes, and WP Leader in 6 EC-funded Projects. Coordinator of several national projects. Since 2009 she is member of the "European Technology Platform for Nanomedicine". Associated Professor in Medical Science and Applied Biotechnology, since 2014. Founder of the company FINCERAMICA Biomedical Solution S.p.A, she was the Idea-woman, then President and today is the Head of the Scientific Advisory Board. Founder of the Start UP Green Bone Ortho Srl in 2014 now funded with 20M€ by Venture capital and Switzerland Biotech.

## Organizing Committee

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## Venue

Aula Magna  
Ca' Dolfin, Dorsoduro 3825/D, 30123 Venezia



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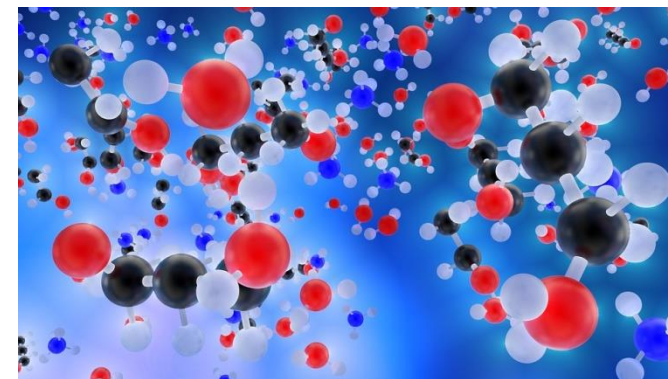
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Università  
Ca' Foscari  
Venezia

Joint Doctoral Program in Chemistry

*3<sup>rd</sup> Winter School*



*Mentoring for Chemists:  
Bringing Excellence  
to Grow Excellence*

February, 26<sup>th</sup> - 27<sup>th</sup> 2020

Aula Magna in Ca' Dolfin  
& Scientific Campus  
Università Ca' Foscari Venezia

**MENTORING FOR CHEMISTS:  
BRINGING EXCELLENCE  
TO GROW EXCELLENCE**

**Wednesday, February 26<sup>th</sup> 2020**

*Aula Magna Ca' Dolfin, Dorsoduro 3825/D, Venezia*

11.00 **Welcome opening**

11.15 - 12.00 **Conference**

**Prof. Davide Bonifazi**

*University of Cardiff, UK*

From molecules to complex systems

12.00 - 12.45 **Conference**

**Prof. Kristina Djinovic Carugo**

*Universität Wien - Österreich*

Integrative structural biology sarcomeric Z-disc

13.00 **Lunch**

14.30 - 15.45 **Conference**

**Prof. Anna Tampieri**

*CNR ISTECA Faenza - Italia*

Nature inspires smart materials for tissue regeneration

15.45 - 16.30 **Conference**

**Prof. Robert Pullar;**

*Universidade de Aveiro - Portugal*

Green and Sustainable Nanomaterials for  
Cultural Heritage Preservation Applications

16.30 - 17.00 **Coffee break**

17.00 - 17.45 **Conference**

**Prof. Enrique Castellon Rodriguez;**

*Universidad de Málaga - España*

Advanced applications of quantum dots

18.00 **Concluding remarks**

**Thursday, February 27<sup>th</sup> 2020**

*Scientific Campus*

*Via Torino 155 Venezia Mestre*

**Working Groups**

1. Conference Room Orio Zanetto - Alfa Building

**Chemistry in solution: structure and reactivity**

- **Prof. Davide Bonifazi**

PhD students: C. Campalani, D. Rigo, L. Pietrobon, V. Ferraro A. Vidal, C. Alberoni, C.M. Cafiero.

2. Auditorium - Alfa Building

**Nanostructured Materials**

- **Prof. Enrique Castellon Rodriguez;**

PhD students: C. Rosso, F. Longobardo, T. Dolla, T. Gobatto, M. Medves, E. Bernes.

3. Room Delta 1B - Delta Building

**Chemistry of cells**

- **Prof. Anna Tampieri;**

PhD students: M. Mauceri, A. Morandini, M. Zanchetta, D. Dashi, M. C. Spennato, V. Vida.

4. Room Aquarium 4.1 - Alfa Building

**Analytical Chemistry and Heritage conservation**

- **Prof. Robert Pullar**

PhD students: G. Mazzon, M. Zucchelli, G. Moro, R. Zanini, D. Zanardo.

5. Meeting Room - Zeta Building

**Biocrystallography - structural biology**

- **Prof. Kristina Djinovic;**

PhD students: E. Cescon, L. Bedon, S. S. Taghavi, I. Grieco, O. Bellotto, N. Pajer, M. Vidali.

13:00 **Lunch** in ALFA Building Hall



**Davide Bonifazi** was born in Guastalla (Italy) in 1975. After obtaining the "Laurea" in "Industrial Chemistry" from the University of Parma working with Prof. Enrico Dalcanale, he joined the group of Prof. François Diederich as PhD student at the ETH Zürich (2000-2004). He was awarded the Silver Medallion of the ETH for his doctoral dissertation (2005). After a one-year postdoctoral fellowship with Prof. Maurizio Prato at University of Trieste, he joined the same University as part-time researcher and Professor (2007-2015). In 2006, he joined the University of Namur (BE) as Junior Professor (2006-2011) and as Professor of Organic Chemistry (2012-2015). Since 2016 he is Chair Professor of Organic Supramolecular Chemistry in the School of Chemistry at Cardiff University (UK). His activities are focused on the creation of functional organic architectures in interdisciplinary projects through targeted organic synthesis, self-assembly, and self-organization of organic architectures in solution and on surfaces, physical-organic studies, material- and bio-based design.



**Enrique Rodríguez Castellón** is Full Professor of Inorganic Chemistry of the Universidad de Málaga. He is co-author of 7 patents and more than 475 papers and 33 book chapters, with a h index of 56, and more than 12500 citations, mainly devoted to the synthesis of new materials and their applications in environmental catalysis, and surface electronic spectroscopy such as XPS. He has participated in 7 European projects from 1986, as well as several national and regional projects. He is currently working in the preparation of nano-porous materials for their in VOCs abatement, low temperature selective oxidation of H<sub>2</sub>S, improvement of diesel fuel by HDS, HDN and HDO, production of pure hydrogen for fuel cells, sensors, biofuel production, membrane applications and carbon quantum dots. He was also founder of two Spin-Off named VACQUING S.L for water treatment, and ECOPIBA S.L for recycling batteries. He was recently honored as Doctor Honoris Causa from The Federal University of Cearà in Brazil.



**Robert Pullar** obtained a PhD in Materials Engineering from the University of Warwick (UK) in 1999. Afterwards he was research fellow in the UK for some years, and then in 2008-2009 he was in Crete as recipient of a highly prestigious Marie Curie Intra-European Fellowship. Since 2009 he is Principal Researcher at the department of Materials Engineering and Ceramics of the University of Aveiro in Portugal. His main research interests are ceramic processing, combinatorial and high-throughput ceramics processing, multiferroic and magnetoelectric ceramics and composites, magnetic ceramics, dielectric and ferroelectric ceramics, ceramic fibers, bioceramics, photocatalysts, waste remediation and valorization, wood-based ecoceramics, cork, derived materials, sustainable and green chemistry & nanotechnology, sustainable materials for the preservation of Cultural Heritage. Dr. Pullar has published ca. 160 papers, that received a large number of citations (>4450, with an H index of 34) and delivered ca. 30 invited lectures.