Newsletter
Marzo 2026

SIBPA
Società Italiana di Biofisica Pura e Applicata
fondata nel 1973

Comunicazioni dalla SIBPA

ICBP 2026 e Congresso Nazionale

Care e cari,
come sapete, quest'anno la nostra comunità avrà due occasioni speciali per riunirsi: prima a Genova, per ICBP 2026, e poi a Catania per il nostro congresso annuale (maggiori informazioni di seguito).

Per incoraggiare la partecipazione a entrambi gli eventi — di cui la nostra società è promotrice — abbiamo previsto alcune agevolazioni riservate a chi si iscriverà a entrambi:

- **Cena Sociale ICBP 2026 gratuita** per i soci SIBPA. Al momento della registrazione, inserire il codice Q5H3E7X5.
- **Quota early bird per SIBPA 2026** garantita anche dopo il 20 maggio 2026 a tutti i partecipanti a ICBP 2026.

ICBP 2026

Non esitate a partecipare alla International Conference on Biological Physics 2026 (ICBP 2026), che si terrà a Genova dal 28 giugno al 3 luglio 2026, con l'obiettivo di promuovere lo scambio di informazioni e opinioni tra i membri della comunità scientifica internazionale nel campo della Fisica Biologica.

Il comitato organizzativo vi invita calorosamente a registrarvi oggi stesso e a diventare parte attiva dell'ICBP 2026.

Dettagli della conferenza sul sito web, prossime scadenze:
15 aprile 2026 | Notifica delle presentazioni orali selezionate;
20 aprile 2026 | Scadenza per le quote di iscrizione anticipate;
31 maggio 2026 | Scadenza per l'invio degli abstract per la sessione poster tramite il sito web della conferenza / 15 giugno per gli abstract poster in ritardo.

Link alla conferenza: www.icbp2026.org/



SIBPA 2026

Siamo lieti di annunciare che è online la pagina del prossimo congresso SIBPA che si terrà a Catania dal 13 al 16 luglio 2026.
https://www.sibpa.it/CongressoNazionaleSIBPACatania/ Sul sito troverete le informazioni per le borse per i giovani, per i premi Menestrina e Borsellino e anche per la nuova sessione "giovani soci SIBPA".

Alcune indicazioni per la nuova sessione: il comitato scientifico sorteggerà, tra i partecipanti che abbiano sottomesso un abstract e si siano dichiarati disponibili, 5 giovani soci SIBPA (non strutturati) che faranno da chair a una sessione speciale.

Ai 5 chair verrà chiesto di selezionare un unico abstract tra quelli sottomessi al congresso, ritenuto da loro particolarmente significativo per originalità, prospettiva scientifica o rilevanza per lo sviluppo futuro della biofisica (sono esclusi i 5 abstract sottomessi dai chair).

I 5 chair modereranno la sessione speciale, che consisterà nella presentazione orale dell'abstract selezionato e nella successiva tavola rotonda.

Sperando di vedervi numerosi a Catania vi inviamo i nostri migliori saluti!
Il Consiglio Direttivo SIBPA



Conferences & Workshop

Biophysics@Rome 2026

Sono aperte le registrazioni alla conferenza (anche quest'anno è gratuita) e la sottomissione di abstract per le sessioni poster (alcuni poster verranno selezionati per i flash talk: mini presentazioni di 3-5 minuti per introdurre il contenuto del poster). L'edizione di quest'anno sarà suddivisa in quattro sessioni tematiche:

Challenges in Biophysics
Con un focus sulle difficoltà legate alla comprensione di ambienti biomolecolari

complessi, al ruolo dell'idratazione e degli ioni, e ai persistenti interrogativi sul folding e misfolding proteico nelle malattie neurodegenerative.

The Impact of Technology

Un'analisi dell'impatto dell'intelligenza artificiale sulla ricerca e di come recenti sviluppi tecnologici — come la Cryo-EM, la microscopia a super-risoluzione e il calcolo ad alte prestazioni — abbiano rivoluzionato la nostra capacità di visualizzare e simulare la vita a scale senza precedenti.

Future Directions in Biophysics

Una sessione prospettica sulle tecniche a singola molecola, sull'integrazione della biofisica con i dati "omici" a livello sistemico, sull'astrobiologia e sugli organi-su-chip.

Innovative Approaches in Biophysics

Una vetrina sulla "nuova frontiera" della disciplina: dall'intelligenza artificiale e dal machine learning nella predizione strutturale, alla modellazione ibrida multiscala, fino alle tecniche biofisiche in-cell e alle proprietà scalabili.

Nuova deadline per invio abstract: 18 aprile
Nuova deadline per registrazione : 18 aprile

Maggiori informazioni sul convegno le trovate qui:
https://www.biophysicsatrome.org/home1/index.php/conference-2026



Giornata scientifica in memoria di Lorenzo Stella

Cari colleghi,
lo scorso 24 Agosto abbiamo perso Lorenzo Stella. La sua scomparsa ci ha lasciato privi di un amico, mentore e stimatissimo collega.
Vogliamo ricordare la sua vita e la sua attività professionale in una giornata scientifica a lui dedicata, per questo vi invitiamo tutti

Venerdì 15 maggio 2026, Aula Gismondi della Macroarea di Scienze MM.FF.NN., Università di Roma Tor Vergata

Colleghi e amici si riuniranno per ricordare le attività scientifiche svolte con o ispirate da Lorenzo. La giornata terminerà con un momento più informale in cui chi vorrà potrà portare il proprio ricordo di Lorenzo.
Chi volesse partecipare è pregato di iscriversi qui: https://bit.ly/InMemoriamLS

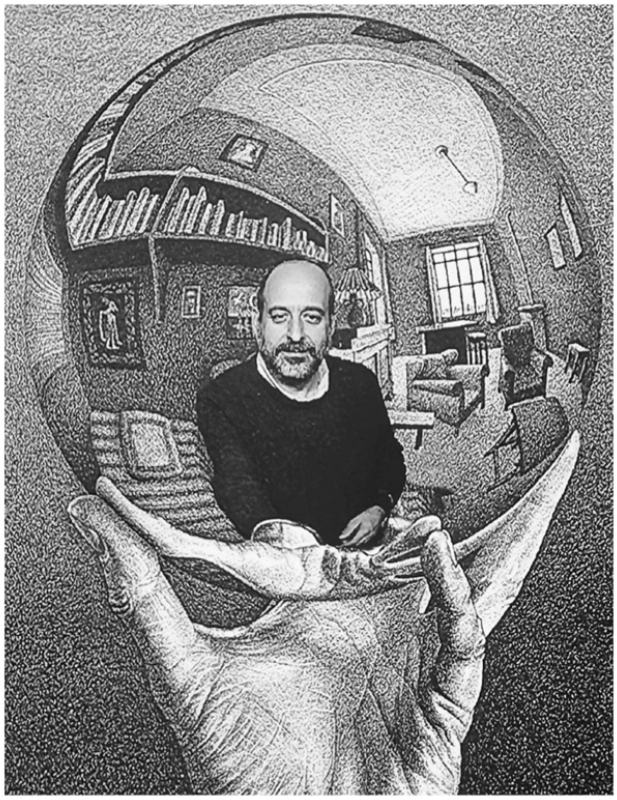
La giornata sarà un **evento satellite del convegno** [Biophysics@Rome](), che Lorenzo ha contribuito ad organizzare sin dalle prime edizioni e che quest'anno è a lui dedicato.

TOR VERGATA
UNIVERSITÀ DEGLI STUDI DI ROMA

Dipartimento di Scienze e Tecnologie Chimiche
Innovazione Futuro Pari Opportunità

Lorenzo Stella: a polyhedric curious soul

Scientific and Personal memories



Friday, May 15, 2026
Gismondi Hall, Macroarea di Scienze MM.FF.NN.
University of Rome Tor Vergata

Colleagues and friends will join to remember their scientific activities done with or inspired by Lorenzo. Lorenzo's work and life will be retraced by their memories.

Confirmed speakers:
Burkhard Bechinger
Federica Caselli
Gerardino D'Errico
Fernando Formaggio

Organizing committee
Gianfranco Bocchinfuso
Paolo Calligari
Emanuela Gatto

For registration:
https://bit.ly/InMemoriamLS

Marialuisa Mangoni
Manuel Melo
Marco Tartaglia
Marco van de Weert
William Wimley

Claudia Mazzuca
Daniela Roversi
Mariano Venanzi

Workshop "Peptides in Biology and Materials: Bridging simulation and Experimental Data" - II edition

Dear all,
The registration are open to the II edition of the Peptides in Biology and Materials: Bridging simulation and Experimental Data workshop
that will take place from the 28th to the 30th of April 2026, and will be hosted at the University of Sofia, Bulgaria.

The workshop highlights computational peptide research and its connection to experiemntal techniques and applications.
It was first organized in 2024 as a satellite to the European Peptide Symposium. Following the success of the first iteration,
this edition focuses on expanding ties to experimental research while promoting attendance by young researchers.

The application deadline is April 1, 2026.
Registration form and more info can be found here: https://peptides-in-biology-and-materials.github.io/II/

The entirety of participation costs will be covered with funding from the National Recovery and Resilience Plan of the Republic of Bulgaria, project No BG-RRP-2.004-0008 SUMMIT, meaning attendance is free of charge.

In a partnership with Frontiers in Chemical Biology, workshop participants are invited to publish their results free of charge in a dedicated issue.

The organizing committee.

Peptides in Biology and Materials

2nd Edition
28th - 30th April 2026

Bridging Simulation and Experimental Data

Sofia University
Bulgaria

In memoriam Lorenzo Stella

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The workshop highlights computational peptide research and its connection to experimental techniques and applications. It was first organized in 2024 as a satellite to the European Peptide Symposium. Following the success of the first iteration, this edition focuses on expanding ties to experimental research while promoting attendance by young researchers.
The entirety of participation costs will be covered with funding from the National Recovery and Resilience Plan of the Republic of Bulgaria, project No BG-RRP-2.004-0008 SUMMIT, meaning **attendance is free of charge.**

The application deadline is **April 1, 2026**.

In a partnership with Frontiers in Chemical Biology, workshop participants are invited to publish their results free of charge in a dedicated issue.

Registration form and more info can be found here:
https://peptides-in-biology-and-materials.github.io/II/
Contact address: second-peptides-workshop@chem.uni-sofia.bg

Confirmed speakers:
Burkhard Bechinger (France)
Elka Georgieva (USA)
Alena Khmelinskaia (Germany)
Vittorio Limongelli (Switzerland)
Diana Lousa (Portugal)
Ana Pina (Portugal)
Daniela Roversi (Italy)
Martin Ulmschneider (United Kingdom)
Robert Vacha (Czech Republic)
Alessandra Villa (Sweden)
Marta De Zotti (Italy)

Organizing committee:
Anela Ivanova
Gianfranco Bocchinfuso
Paolo Calligari
Manuel N. Melo
Galia Madjarova

Funded by the European Union NextGenerationEU
SUMMIT Sofia University Marking Momentum for Innovation and Technological Transfer
National Recovery and Resilience Plan of the Republic of Bulgaria
УНИТе
Programme Research, Innovation and Digitalisation for Smart Transformation

News from EBSA

Fully funded PhD position in time-resolved structural biology – Institut de Biologie Structurale, Grenoble, France

We have an opening for a fully funded PhD position at the Institut de Biologie Structurale (www.ibs.fr) in Grenoble, France, to study the structural dynamics of vitamin B12 -dependent photoreceptors by time-resolved X-ray crystallography and time-resolved cryo-electron microscopy in view of biotechnological applications.
This integrated structural biology project aims at understanding the activation mechanism of the recently discovered family of vitamin B12 -dependent photoreceptors. In particular, we aim at visualising protein conformational changes upon photoactivation from the photochemical (picoseconds) to the photobiological timescales (milliseconds - seconds). To do so, we use time-resolved crystallography at X-ray free electron lasers (Rios-Santacruz et al, 2026) and at synchrotrons and time-resolved cryo-electron microscopy. By establishing the modus operandi of these newly discovered B12 photoreceptors this PhD project will open windows to their rational modification for biotechnological exploitation as optogenetic components.
We welcome applications from students trained in protein biophysics, and preferably in crystallography or electron microscopy.
For further information and application by April 10th 2026, please contact either Martin Weik (weik@ibs.fr) or Giorgio Schirò (giorgio.schiro@ibs.fr).
Recent publication by the group and relevant to the PhD project:
Rios-Santacruz, R., H. Poddar, K. Pounot, D. J. Heyes, N. Coquelle, M. J. Mackintosh, [...], M. Weik, and G. Schirò. 2026. 'Integrated structural dynamics uncover a new B12 photoreceptor activation mode', Nature, 650: 1045-52.

IMSB 2026 -- Last call for abstracts

Dear Colleagues,
A final reminder as the abstract submission deadlines of our upcoming workshop on Integrated Modelling and Scattering for Biomolecules from 18th - 20th May 2026 in Sheffield, UK are approaching.

The final deadlines for oral and poster contributions are Thursday, 9th April and Thursday, 16th April, respectively.

The meeting will bring together researchers from the scattering and modelling communities to share the current state-of-the-art in the study of the structure and dynamics of biomolecules and their assemblies. Co-organised by the British Biophysical Society (BBS) and CCPBioSim (Collaborative Computational Project for Biomolecular

Simulation) its scope is to bridge communities who have a shared interest in biomolecules, create opportunities for discussion, identify current challenges and work collaboratively towards new solutions.

The meeting programme will consist of invited and contributed talks and poster presentations and provide an overview of the latest experimental techniques of neutron and x-ray scattering combined with a range of computational modelling methods. Focus areas include (i) complex biomolecular systems, such as solution structures of large complexes, flexible proteins and intrinsically disordered proteins, (ii) protein assemblies like crosslinked protein networks, self-assembled peptide hydrogels and liquid-liquid phase separation and (iii) new tools, including new experimental platforms for integrating scattering with additional complementary biophysical characterisation methods, coarse grained modelling platforms for scattering, new structural refinement tools for scattering data and ensemble averaged modelling for disordered systems.

Early career researchers are encouraged to attend and childcare can be arranged if required.

Invited speakers include
- Pau Bernado (CNRS Biologie, Montpellier)
- Olwyn Byron (University of Glasgow)
- Matteo Degiacomi (University of Edinburgh)
- Lorna Dougan (University of Leeds)
- Jonathan Essex (University of Southampton)
- Hayden Fisher (European Synchrotron Radiation Facility)
- Vito Fodera (University of Copenhagen)
- Heinrich Haas (NeoVac)
- Tom Headen (ISIS Neutron and Muon Facility)
- Anne Martel (Institut Laue Langevin)
- Antonia Mey (University of Edinburgh)
- Rob Rambo (Diamond Light Source)
- Frank Schreiber (University of Tübingen)
- Marie Skepo (University of Lund)

Workshop on Structural Biophysics in Bordeaux

Dear colleagues, We are happy to announce the 4th Workshop on Structural Biophysics to be held in Bordeaux in Oct 2026.
Pease find all details and the application for participation below and under the link.
Applications are open for the 4th edition of the Workshop on Structural Biophysics from Oct. 12-16th 2026 in the beautiful city of Bordeaux.

Deadline for application May 19th Places are limited
All information can be found here: https://biophysics2026.sciencesconf.org/ This workshop proposes to make an inventory of the latest technological advances and provides a theoretical and practical training on main techniques of structural biophysics. It also aims at introducing integrative methodologies.
⇨ AFM
⇨ cryo-EM
⇨ X-ray
⇨ SPR and BLI
⇨ EPR
⇨ Micro-Scale Thermophoresis (MST)
⇨ Molecular Modelling
This CNRS Workshop is free of charge for all CNRS employees. Including accommodations, lunch, and the Gala cocktail, fees are as follows: FREE for CNRS employees (PhD / Postdoc / research scientist / engineer) - PhD / postdoc non-CNRS 300€ - Academics non-CNRS 400€ - Industry 1500€
--- Dr. Birgit HABENSTEIN
b.habenstein@cbmn.u-bordeaux.fr

PhD position in Bordeaux

Dear colleagues,
We are currently seeking a candidate to apply for a PhD fellowship from the Chemistry Doctoral School at the University of Bordeaux.
The proposed research project focuses on investigating the impact of the lipid environment on β-arrestin signaling mediated by the Dopamine D2 receptor.
The PhD research will be carried out in the Alves team at the Institute of Chemistry and Biology of Membranes and Nano-objects in Bordeaux spectroscopie-vibrationnelle-et-interactions-moleculaires-plateforme-vibrafm

Interested candidates are invited to send their CV and a motivation letter before the end of April to: i.alves@cbmn.u-bordeaux.fr.
Isabel D. Alves, PhD Email: i.alves@cbmn.u-bordeaux.fr



GENOA ICBP 2026

June 28 – July 3

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