

NEWSLETTER 2019

#6 - June

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[MC] Obituary: Mario Nobile

Ricordo in memoria di Mario Nobile (1948-2019)

Franco Gambale

Istituto di Biofisica del CNR, Genova

Cari amici e colleghi,

la SIBPA con il consenso del Direttore dell'Istituto di Biofisica del CNR, Mauro Dalla Serra, ritiene doveroso pubblicare queste righe in ricordo del collega e amico Mario Nobile, scomparso il 6 Giugno scorso.

Mario, ricercatore CNR, è stato uno dei primi membri di ruolo a essere assunto come elettronico a Maggio 1970, poco più che ventunenne, dal Consiglio Nazionale delle Ricerche nel Laboratorio di Cibernetica e Biofisica del CNR, fondato nel 1969 e sede a Camogli.

Mario, laureatosi in biologia, aveva intrapreso una lunga marcia che lo aveva portato a indirizzare i propri interessi dall'elettronica a supporto della cibernetica e della tecnologia di sistemi intelligenti verso temi di indirizzo più squisitamente biologico.

La sua attività di ricerca si è progressivamente concentrata su temi di neuroscienze e in particolare sulle proprietà biofisiche e farmacologiche dei canali ionici di membrana e sulla modulazione delle loro proprietà da parte di agenti endogeni ed esogeni studiata con tecniche elettrofisiologiche e di biologia molecolare. In anni più recenti i suoi progetti si erano orientati allo studio dei meccanismi cellulari e molecolari che regolano l'interazione tra neuroni e cellule gliali in condizioni fisiologiche e patologiche.

Recentemente Nobile è stato il referente IBF-CNR nonché promotore della Società Consortile ligure "SI4life" (Scienza ed Industria per la Vita), che integra soggetti pubblici e imprese private nel campo dell'innovazione scientifico-tecnologica per le disabilità sensoriali.

Da anni, infatti, collaborava con la ditta Linear sulle problematiche che colpiscono il sistema uditivo allo scopo di individuare possibili target farmacologici e progettare ausili tecnologici per il trattamento dell'ipoacusia. Negli ultimi anni aveva posto in essere una stretta collaborazione anche con la ditta ETT sugli effetti tossici indotti da fitofarmaci, sostanze chimiche e farmacologiche su reti neuronali.

In questo suo percorso durato quasi 50 anni, Mario ha mostrato sempre la massima attenzione alla ricerca di base perseguita con tenacia, ma anche sensibilità agli sviluppi dell'innovazione e delle sue applicazioni.



Inoltre ha sempre mostrato interesse per una divulgazione scientifica rigorosa indirizzata ai più giovani. Ci piace citare una frase tratta da una locandina di un evento in programma solo un anno fa, **I suoni del Silenzio**, probabilmente uno degli ultimi incontri in cui Mario ha partecipato, con personalità del mondo aziendale e ospedaliero, illustrando le ricerche in Biofisica del sistema uditivo. La frase dice *"... i suoni e la loro interpretazione da parte del cervello. Dalle vibrazioni dell'aria al cervello: un percorso articolato tra membrane, ossicini, cellule e neuroni"*.

Riteniamo che la metafora della trasmissione del segnale acustico dall'aria ai neuroni attraverso gli ossicini dell'orecchio renda ottimamente il percorso di Mario nella Biofisica. Nella convinzione che questo percorso possa essere un esempio di continuità e progressione nella ricerca attuata con dedizione alle cause della scienza e al tempo stesso un modello per i più giovani che oggi si affacciano alla ricerca in spirito di comunità e di rigore scientifico.

Da appassionato biofisico qual'era, Mario è stato membro della Società Italiana di Biofisica Pura ed Applicata per oltre un ventennio e la Società quest'oggi gli rende onore con questa memoria.

[CfPO] PhD position at Università Campus Bio-Medico, Roma

E' stato pubblicato il bando di Dottorato in Scienze e Ingegneria per l'Uomo e l'Ambiente presso l'Università Campus Bio-Medico, **scadenza 4 luglio 2019**.

Il link al bando è:

<https://www.unicampus.it/didattica/offerta-formativa/dottorati-di-ricerca/bandi-di-concorso/bandi-di-concorso/85881-bando-dottorati-di-ricerca-xxxv-ciclo-a-a-2019-2020>

[CfPO] Post Doctoral Position at Emory College, Atlanta, USA

Una posizione di Postdoctoral Fellow è disponibile nel Finzi lab, Math and Science Center.

L'annuncio è nelle 'News' della web page del laboratorio:

<http://www.physics.emory.edu/faculty/finzi/>.

Il posto è disponibile da subito per i prossimi 2 anni con possibile riconferma per un terzo.

Laura Finzi, Professor, Departments of Physics and Chemistry, Graduate Division Biol. and Biomed. Sciences, Winship Cancer Institute, Emory University, 400 Dowman Dr, Atlanta, GA 30322

tel: 404-727-4930 (office), tel: 404-727-8822 and -9002 (labs), e-mail: lfinzi@emory.edu

<http://www.physics.emory.edu/faculty/finzi/>

[CfPO] Job Position at 3Brain



3Brain AG
Einsiedlerstrasse 30
8820 Wädenswil
Zürich, Switzerland

Sales Area Manager

THE COMPANY

3Brain is a young, fast-growing, dynamic company focusing on brain technologies, one of the most fascinating research and business sectors with multiple applications and impacts on human life. 3Brain's mission is to provide state of the art technology to support life science research and improve human health. In particular 3Brain develops, manufactures and distributes high-quality instruments based on our patented CMOS multi-electrode array, a high-resolution neuro-electronic chip. The company is headquartered in Switzerland nearby Zurich, has a SW R&D office in Italy, and has installed its products in laboratories and pharma companies worldwide also thanks to its network of distributors covering among others US, Canada, China and Japan.

More info: <http://www.3brain.com/about.html>

JOB DESCRIPTION

Following its expansion plan, 3Brain is looking for a full-time sales representative to reinforce its sales department for the European market, with a focus on German-speaking countries.

The candidate will promote and sell 3Brain's products to research labs and pharma companies and will take over responsibility for the sales and market development in its territory.

Main tasks will include:

- Customer acquisition with cold calling, webinars, on-site visits, demos and contract negotiation
- Identifying new clients and customer segments
- Supporting marketing activities by participation at international congresses and trade shows
- Calculating client quotations and administering client accounts
- Providing product education and after-sales support services including customer care, consulting, application support

REQUIRED QUALIFICATIONS

- German mother-tongue or alternatively German fluent and having spent several years in Germany
- Fluent in English
- Bachelor/Master/PhD degree in biology/bio-engineering/biophysics
- Skilled in electrophysiology by having worked with either patch clamp systems or preferably Multielectrode array (MEA) systems
- Availability to travel worldwide for short periods (conferences, meetings, demos, etc.)
- Initiative, independence and ability to communicate and work effectively with other team members in a multicultural and international environment

ADDITIONAL QUALIFICATIONS

- 1+ years of experience in sales
- Excellent communication and negotiation skills

WHAT WE OFFER

- A dynamic and stimulating work environment in a young, emerging company
- Possibility of professional growth
- Training and incentives to sales
- Flexible work hours

To apply send an email with CV and short motivation letter to info@3brain.com, subject: sales representative



[CfPO] [EBSA] 3 Position Openings – Sergi Garcia-Manyes lab, King’s College London & the Francis Crick Institute.

We are looking for 3 enthusiastic individuals to join our lab at King’s College London and the Francis Crick Institute to work on several aspects of molecular mechanobiology, from single molecules to cells, within a Wellcome Trust-funded research programme.

Research will involve the use of single molecule atomic force microscopy (AFM) and Magnetic Tweezers (MT), complemented by confocal light microscopy.

Specifically, we are looking for: **1 Phd student**, holding a BSc and MSc (desired but not essential) in Physics, Physical Chemistry, Biochemistry or Cell Biology; **1 Laboratory technician** with proven skills and experience in cloning, protein expression and purification; **1 Postdoctoral researcher**, with a strong track record in Biological Physics, Physical Chemistry, Biochemistry or Cell Biology.

Interested candidates please write to sergi.garcia-manyes@kcl.ac.uk for informal discussion.

[CS] [Ebsa] 2nd Les Houches Winter School, Fluorescence Markers for Advanced Microscopies

Applications are now open for the 2nd Winter School, dedicated to Fluorescence Markers for Advanced Microscopies, from March 29th to April 3rd 2020, in the “Ecole de Physique des Houches”, France

This school aims at training students and researchers to master fluorescent markers used in advanced fluorescence bioimaging: their diversity, how they actually work and what are their current development. I think we have put together an exciting program, in a very nice location in the heart of the french Alps.

Invited Teachers are :

[Dominique Bourgeois](#) – IBS Grenoble – France

[Peter Dedecker](#) – KU Leuven – Belgium

[Ulrike Endesfelder](#) – MPI Marburg – Germany

[Marie Erard](#) – LCP Orsay – France

[Dorus Gadella](#) – University of Amsterdam – NL

[Arnaud Gautier](#) – ENS Paris – France

[Jonathan Grimm](#) – Janelia Research Campus – USA

[Andrey Klymchenko](#) – LPB Strasbourg – France

[Melike Lakadamyali](#) – University of Pennsylvania – USA

[Emmanuel Margeat](#) – CBS Montpellier – France

[Fabienne Merola](#) – LCP Orsay – France


[Hideaki Mizuno](#) – KU Leuven – Belgium

[Ivana Nikić-Spiegel](#) – Universität Tübingen – Germany

[Amy Palmer](#) – University of Colorado – USA
[Markus Sauer](#) – Universität Würzburg – Germany
[Jerome Wenger](#) – Institut Fresnel Marseille – France
[Jörg Wiedenmann](#) – University of Southampton – UK

We are now welcoming applications for registration. Please do not hesitate to forward this link to your students, postdocs, or colleagues who might be interested. Deadline is September 30th.
<https://fluorescenceleshouches.wordpress.com/registration/>

[CS] [Ebsa] Young Scientists Program at IUPAB 2020 Conference



20th International Congress of IUPAB
a joint event with the
45th Annual Meeting of SBBf and
49th Annual Meeting of SBBq

IUPAB 2020
 SBBf & SBBq

October 26th to 30th 2020 - Foz do Iguaçu - PR - Brazil

Congress Venue:
 Convention Center
 Rafain Palace Hotel

<http://www.sbbq.org.br/iupab2020>

Young Scientist Program

As part of the scientific activities, a satellite IUPAB-SBBq-SBBf Young Scientists Program (YSP) will be held in São Paulo, Brazil, **October 22nd to 24th, 2020**. This program, aimed toward students and recent PhDs, will provide a unique opportunity for 40 young scientists from different countries to discuss their scientific results, novel ideas, and career development. Participants in the YSP will be selected from candidates worldwide and will receive fellowships to attend both the YSP and the IUPAB-SBBq-SBBf Congress.

Key Dates

01/05/2019: Online registration opens.
01/10/2019: Online registration and abstract submission deadline.
01/12/2019: Recipients of YSP Fellowships are announced.

Applicants must:

1. Complete the digital form available at www.sbbq.org.br/iupab2020
2. The submission form contains an area to include an abstract. The applicant must be the first author of this abstract.
3. The submission form also includes an area for a brief personal motivation statement.
4. Submit a current curriculum vitae (CV).
5. Submit a signed recommendation letter from their mentor, and proof of being a member of any IUPAB-SBBq-SBBf related national or international society, as mentioned above.
6. Prepare a single pdf file containing all of the requirements listed above and e-mail it to iupab2020@sbbq.org.br by **October 1st, 2019**

[Newsletter closed on 23/06/2019]