



Edito

The IGBMC evolves with the move of our platforms and staff members to free the CEBGS, the arrival of new teams, the nomination of newly recruited leader platforms, the acquisition of new equipment, the arrival of new staff members... Some of these events are detailed in this NewsLetter. This dynamic process will continue during the following months; we will keep you informed of these movements that should stimulate research teams and further strengthen the quality of our institute's production. All these changes will be assessed early in 2017 by an external committee as part of the five-year review by the HCERES (High Council for the Evaluation of Research and Higher Education). The entire staff will be involved in this process in order to promote the development of our institute.

Bertrand Séraphin et Yann Hérault



Arrival of the team of Gilles TRAVE at the IGBMC

Last February, our institute has welcomed a new team leader. Gilles TRAVE, research director and his collaborators Danièle ALTSCHUH, Yves NOMINÉ - both researchers - and Irina Paula SUAREZ - postdoctoral - who worked before at the Institut de recherche de l'Ecole Supérieure de Biotechnologie in Strasbourg. Alberto

PODJARNY, Anna BONHOURE, Alexandra COUSIDO-SIAH and André MITSCHLER joined forces at this new team affiliated at the Integrative Structural Biology department located in the CBI building.

Its research theme's "Viral Oncoproteins and Domain-motif networks". The whole institute welcomes this new team and wish them good installation!

■ ME

Visit of France 3 Alsace in our premises

On February 3rd, a France Television team led by Catherine Munsch came to interview Pierre Chambon's team in our premises. The regional channel of France 3 took an interest in our researches on meals shift schedule.

Indeed, time-shifted feeding relative to the natural biological clock affects body function and results in multiple pathologies.

Pierre Chambon's team has decrypted the molecular mechanisms behind this phenomenon associated with peripheral clocks shift. For this they have put mice through a food offbeat rhythm. They were able to analyze all the biological consequences of food supply restricted to the normal period of rest.

Television coverage to be seen in French here: bit.ly/1SfMKFu

■ ME



New faces among the Technology platforms

Mathilde DECOURCELLE joined the IGBMC the December 1st, 2015 as engineer. After obtaining her master in 2011, she worked more than three years on the MSPP proteomics platform of INRA in Montpellier. She joined then the research team "UbiStress" from the Institute of Biochemistry and Molecular Plant Physiology. In 2015, she succeeded in the CNRS selection and integrated proteomics platform IGBMC allowing her to take technical responsibility until the arrival of Luc NEGRONI. She develops the activity of the proteomics platform (analysis, data reprocessing ...) and the maintenance of the instrumental park.

Luc NEGRONI joined the IGBMC on April 1st. He began his career in 1991 at the Radioimmunoassay laboratory at CEA Saclay. In 2000, he installed the mass spectrometry activity on the Moulon farm of INRA in Gif-sur-Yvette. In 2005, IFR87 of the medical school of Nice welcomed him in its proteomics platform. In 2009, he headed a research activity, technology oriented, in the mass spectrometry platform of the Institute of chemistry and biology of membranes and nano-objects in Bordeaux. In the coming weeks the team of the platform will be focusing on commissioning the new mass spectrometer Q-TOF Xevo G2-XS. This will allow the institute to propose a new quantitative approach, the global proteomics analysis type of Label Free, and the possibility to validate the candidate proteins through targeted quantitative analysis (ToF-MRM).

Nicolas LEMERCIER joined the IGBMC on January 18th as head of development of the cell microscopy imaging center department. He studied Biochemistry and Biophysics ending with a thesis in solid physics laboratory in Paris making development of instruments for cryo-electron microscopy. Now, he is more specifically in charge of instrument development for correlative microscopy, tomography, and cryo-EM in the platform.

■ ME and MLL

The HCERES approach!



Do not forget to check that the information of your page on www.igbmc.fr is up to date (research themes, highlighted publications, involved people, illustrations,...). The persons in charge can transmit their modification requests to comigbmc@igbmc.fr

... They move on!

After a first wave of relocation in 2014, a second is on its way. The University wishes to repossess the premises from the CEBGS. Remaining teams and instruments progressively migrate to the IGBMC.

The high throughput screening platform, led by Laurent BRINO, moved to the 2nd floor of the IGBMC. The 2038 and 2039 rooms host the laboratory and annexes are located in 2036 and 2037. The whole team held the office 2089. Laurent BRINO occupies the office 2092 and can be contacted on **+33 (0)3 88 65 33 08**. Two telephone numbers are allocated to reach the laboratory: **+33 (0)3 88 65 33 13** and **+33 (0)3 88 65 33 14**. This movement brings this team near the Ingestem infrastructure and the cell culture to promote collaboration.

Still in order to reorganize the workspaces, the **Polara microscope** is relocated to the ground floor of the CBI in room E0024. This will make it closer from the Titan Krios, a cryo-electron microscope capable of visualizing molecules at the atomic scale.

This reorganization will be completed by the future relocation of the proteomics platform to the first floor of the IGBMC.

■ MLL

The IGBMC on social networks

The institute has been on social networks since four years; it offers official Facebook and Twitter pages and allows our "followers" to read our news.

Here is an overview of the impact of publications on these two communication media:

> 664 people are "fans" of our Facebook page.

> We have 296 Twitter followers.

The top three publications since 2013 on Facebook:

> Price Research / Health: H. Puccio team



obtained 431 clicks to our website.

> The team of Marc Ruff working on chromatin stability and mobility of DNA collected 157 clicks on the publication "Production of unstable proteins through the formation of stable core complexes".

> The publication of the Daniel Metzger team on "The role of PGC-1 β in muscle performance" obtain 89 clicks.

In April 2016, we had over 1.400 visits and 14 new subscribers on our Twitter profile after having published 12 tweets.

■ ME

The ICS and PHENOMIN awarded the 2016 COMTECH photo contest



The Technical Commission (COMTECH) held its 14th symposium in Paris on January 28th on the theme "Security and society: are we safe?". This mini-conference enable to bring together all the technical staff of French animal houses. At each edition, a photo contest is organized. This year the theme was "The work at animal houses."

Unimaginable for the "Farming" service of the ICS as part of PHENOMIN to miss this event! The team posted nine photos born of a true collaborative work. Among those, 7 were selected for the final overall ranking.

With the picture above, "Shiva, the Goddess of animal house," the team won the 1st prize! WELL DONE!

■ DAH

Light on the microscopes' gallery



The showcase you can see at the entry to the Photonic microscopy facility of the Imaging Center (CBI 1st floor) contains microscopes and optical components, cameras and sample preparation devices.

The objects follow roughly the history of light microscopy from the end of 19th century. Most of the microscopes were used for the imaging and morphometry from the early days of the IGBMC and even before because several machines come from the Molecular genetics laboratory eukaryotic.

The systems of the right side of the showcase are the most "vintage" in the set. They originate from the private collection of Didier HENTSCH. They are followed by the microscopes provided by Jean-Luc VONESCH, the founder of the Imaging Center. Their usage predates the creation of the facility. Diversity of brands present (Wild, Olympus, Zeiss, Nikon) reflects the interaction of the IGBMC with the optical industry. The considerable number of Leitz and Leica microscopes results from the partnership between the company and the IGBMC since 19 years.



Towards the left side of the showcase you can find the first confocal (TCS₄D) and the stand used for the first multiphoton microscopy setup of the facility. We stooped using the latter in 2015.

Feel free to take a little of your time to come and admire this gallery mirror of history ... of the IGBMC!

■ BG

The functional genomics revolution

The European biotechnology Biofutur monthly highlights the work done by the ICS as part of PHENOMIN on functional genomics applied to mouse models.

You can read the article in French here: <http://bit.ly/1RmJoJW>

The IGBMC honored

- Marie-Charlotte MORIN – Laureate - "Alsace, terre de jeunes talents" (03-16-2015)
- Agnès BLOCH-ZUPAN - Sciences Award - Académie Rhénane (06-01-2015)
- Hinrich GRONEMEYER - René and Andrée Duquesne prize (09-14-2015)
- Hélène PUCCIO – Research prize 2015 in health (11-02-2015)
- Julien VERMOT - University of Strasbourg Foundation prize - Cercle Gutenberg (2015)
- Bruno KLAHOLZ - Richard Lounsbery prize - Academy of Sciences (2016)
- Agnès BLOCH-ZUPAN - Micheline-Blain prize - Oral and Bone Health Research Network (03-11-2016)

Congratulations to all for your work throughout the year!