

El Proyecto LAHN sigue creciendo, y con él las novedades. Por eso les presentamos este nuevo formato de comunicación, a través del cual podrán estar enterados de todas las noticias de un solo vistazo. Para acceder a más información sólo deberán seguir los enlaces. Esperamos que lo disfruten.



Capacitación

Se abrieron las inscripciones a ETNA Edición 2017

Esta nueva edición de la Escuela de Técnicas Neutrónicas Avanzadas tendrá lugar del 30 de octubre al 10 de noviembre en el Centro Atómico Ezeiza, con el aval institucional del Instituto Dan Beninon para su acreditación como curso de posgrado. La escuela durará dos semanas, con clases teóricas y clases prácticas que se desarrollarán tanto en el Centro Atómico Ezeiza como en el Centro Atómico Constituyentes. Si querés participar no olvides completar el [formulario de inscripción](#). Tenés tiempo hasta el 1 de Agosto y hay cupos limitados.

ETNA

EDICIÓN
2017

ESCUELA DE TÉCNICAS NEUTRÓNICAS APLICADAS

Centro Atómico Ezeiza. 30 de octubre al 10 de noviembre 2017.



Ejecución

Miembros del equipo LAHN visitaron las obras del RA-10 y el avance del pozo donde estará ubicado el Hall de Guías del LAHN

Está previsto que para principios del mes de Agosto, se realice la primera colada de hormigón del futuro Hall de Guías del LAHN, donde se ubicarán los instrumentos de la Fase II.



Difusión

En el mes de Julio el LAHN se presentará en la UTN y en el INGEBI

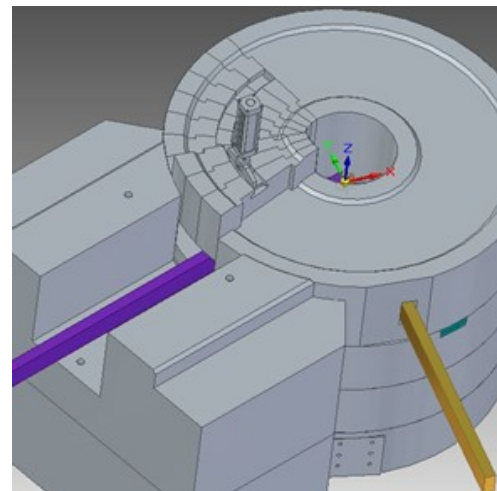
Las Jornadas de Difusión del LAHN siguen recorriendo instituciones. En Junio visitamos el INTA y en Julio estaremos en UTN (retransmitido a todas las sedes por videoconferencia) así como en el INGEBI. Además, organizamos Jornadas para contar el avance del Proyecto en los Centros Atómicos Ezeiza y Constituyentes.



Instrumentos

Avances en el diseño de la mecánica del instrumento ANDES

Los días 27 y 28 de Junio se realizó la presentación de los avances en el diseño mecánico de ANDES en la Sala del Laboratorio de Ingeniería del Centro Atómico Bariloche.



**Postdoc position in physical chemistry at the Department of Pharmacy, Uppsala University**

A postdoc position in physical chemistry at the Department of Pharmacy, Uppsala University, will be open for application during the fall year 2017.

Project: Amphiphilic Drug Self-Assemblies Studied by Scattering Techniques

The postdoc position is in the research group Pharmaceutical Physical Chemistry. Our research aims at clarifying the relationships between the molecular structure of drug molecules and excipients, their physical-chemical properties and behavior in drug formulations and delivery systems such as microgels, vesicles and microemulsions.

The project will be part of a new initiative to study the self-assembling properties of amphiphilic drugs in solution and their interaction with other amphiphilic self-assemblies and charged polymer networks. The group is currently setting-up advanced research equipment for combined static and dynamic light scattering techniques. The postdoc project will focused on structural investigations by means of light scattering and small-angle x-ray and neutron scattering techniques.

Suitable background for the project is a PhD in physical chemistry or related areas and expertise in dynamic and static light scattering as well as experience of small-angle scattering techniques at large scale facilities.

For more information, contact: Prof. Per Hansson per.hansson@farmaci.uu.se Phone: +46(0)762736768

Doc. Magnus Bergström magnus.bergstrom@farmaci.uu.se Phone: +46(0)736354644

PhD position Institut Laue Langevin (ILL-Grenoble)/Copenhagen University structural biology

We are looking for a highly motivated PhD student for an exciting project entitled "Protein Dynamics at the atomic level". It is a very interdisciplinary project that aims at pushing the boundaries for applications of neutrons in structural biology and paving the way for the use of neutron diffraction to extract information on protein and water dynamics at the atomic level.

The student will be enrolled at the University of Copenhagen under the supervision of Annette Langkilde and Sine Larsen and the PhD project will be primarily based at the ILL in Grenoble. More information is available below and on the website https://www.ill.eu/fileadmin/users_files/media/careers/doc/phd_programme/PhD_advert-larsen-2017.pdf

Postdoc position at Lund University, Department of Experimental Medical Science

I would like to advertise the following postdoc position at Lund University, Department of Experimental Medical Science, Faculty of Medicine, Sweden.

SANS project description: Nucleic acids constitute one of the main components of viruses by molecular weight, and the viral genome is often strongly confined into a small volume of the capsid. This is true for most prokaryotic viruses such as double-stranded (ds) DNA/RNA phages, dsDNA archaeal viruses as well as many eukaryotic viruses (e.g. herpesviruses and reoviruses). The length of ds-genome in those viruses is several hundred times longer than the diameter of the capsid. We recently found that this internal DNA stress leads to 30 atmospheres capsid pressure in human Herpesviruses. This genome pressure is responsible for DNA ejection into a cell nucleus during infection. The aim of this project is to explain how the physically stressed state of the confined viral DNA directly affects the infectious cycle by analyzing structure of virally encapsidated genome. The main experimental approach will be Small Angle Neutron Scattering (SANS).

Please contact Prof. Alex Evilevitch (Alex.Evilevitch@med.lu.se)

**Premio Walter Haelg 2017**

La European Neutron Scattering Association (ENSA) difundió este mensaje de felicitación al Prof. Juan Colmenero.

Dear Colleagues

It is for me a great pleasure to announce that the Walter Haelg Prize 2017 has been awarded to Professor Juan Colmenero from the University of the Basque Country, in Spain. The Prize will be delivered in a special session at the next ICNS in Daejeon.

Kind regards

Christiane Alba-Simionesco—ENSA Chair

**10th ILL Annual School on Neutron Diffraction Data Treatment using the FullProf Suite, 16-20 October 2017, Grenoble**

FPSchool aims to contribute to the training of scientists in treatment of X-ray and neutron diffraction data. The school is based on intensive hands-on sessions using the computer programs of the FullProf Suite. The lectures and tutorials will provide the essential tools necessary for an efficient use of the FullProf Suite at an intermediate level. In addition to general applications, Rietveld method, multipattern analysis, microstructure determination and refinement, ionic conduction diffusion paths calculations and magnetic structure determination will be given particular attention.

Email: FPSchool@ill.eu

URL: <https://indico.ill.fr/2017FullProfSchool>

São Paulo School on Light, Neutrons and X-Rays. (17/07/2017 - 21/07/2017)

En julio próximo se llevará a cabo en la Universidad de San Pablo la Escuela "1st. São Paulo School on Scattering: Diffraction and Imaging using Light, Neutrons and X-rays". Hay posibilidad de becas para alumnos latinoamericanos gracias a la ayuda de la Unión Internacional de Cristalografía. Las mismas comprenden USD 500 para gastos de viaje y/o alojamiento y la inscripción gratuita a la Escuela.

Recomendamos a los alumnos interesados que se postulen a la brevedad. Para más detalles <http://fep.if.usp.br/~spslnx/>

E-mail de contacto: spslnx@if.usp.br

Otros eventos

Erice School on Neutron Science and Instrumentation: Neutron Precession Techniques—July 1-8, 2017, Erice, Sicily, Italy

NOP2017: International Conference on Neutron Optics

July 5-8, 2017, Nara Kasugano International Forum, Japan

ICNS 2017: 9th International Conference on Neutron Scattering—July 9-13, 2017, Daejeon Convention Center, Korea

NXS 2017: National School on Neutron and X-ray Scattering—August 5-19, 2017, Argonne (IL) and Oak Ridge (TN), USA

Neutron Scattering Applications to Hydrogen Storage Materials—August 7-17, 2017, Berlin, Germany

PSI Master School 2017—September 4-15, 2017, Villigen, Switzerland

21st Laboratory Course Neutron Scattering—September 4-15, 2017, Jülich and Garching/Munich, Germany

EMBO Practical Course: Small angle neutron and X-ray scattering from proteins in solution—September 11-15, 2017, Grenoble, France

XNPIG2017: 4th International conference on X-ray and Neutron Phase Imaging with Gratings—September 12-15, 2017, Villigen, Switzerland