

2011 FEBS ADVANCED COURSES

Advanced Lecture Courses

**ALC11-001 (EMBO Conference Series)
EMBO Conference on Protein Transport
Systems supported by FEBS Youth Travel
Funds**

Sardegna, Italy, April 16 - 20, 2011
Organiser: Richard Zimmermann
Deadline for applications: November 30, 2010
[Email](#)
[Course Website](#)

**ALC11-002
Molecular Mechanism of Signal Transduction
and Cancer**

Spetses, Greece, August 16 - 24, 2011
Organiser: Hans Bos
Deadline for applications: April 1, 2011
[Email](#)
[Course Website](#)
[Course Poster](#)

**ALC11-006
Trends in Genetics: Genomic Instability and
Pathways of Response**

Yerevan, Armenia, February 20 - 26, 2011
Organiser: Nelli Hovhannisyan
Deadline for applications: October 10, 2010
[Email](#)
[Course website](#)

**ALC11-012
Nuclear Receptor Signaling in Physiology and
Disease**

Spetses, Greece, August 28 - September 2, 2011
Organiser: Eckhardt Treuter
Deadline for applications: May 16, 2011
[Email](#)
[Course website](#)

**ALC11-014 (EMBO Conference Series)
The Biology of Molecular
Chaperones supported by FEBS Youth Travel
Funds**

Grundlsee, Austria, May 19 - 24, 2011
Organiser: Elke Deuerling
Deadline for applications: February 15, 2011
[Email](#)
[Course Website](#)

**ALC11-018
Joint FEBS/SystemsX-SysBio2011 Advanced
Lecture Course**

Innsbruck, Austria, February 26 - March 4, 2011
Organiser: Hans Westerhoff
Deadline for applications: December 15, 2010 -
extended to December 31, 2010!!
[Email](#)
[Course Website](#)

**ALC11-020
Molecular Mechanisms of Host-Pathogen
Interactions and Virulence in Human Fungal
Pathogens**

La Colle sur Loup, France, May 7 - 13, 2011
Organiser: Steffen Rupp
Deadline for applications: February 1, 2011
[Email](#)
[Course Website](#)

**ALC11-021
Advanced Lecture Course on Translational
Cancer Research**

Albufeira, Portugal, Sep 27 - Oct 4, 2011
Organiser: Julio Celis
Deadline for applications: May 1, 2011
[Email](#)
[Course Poster](#)

**ALC11-023
Matrix Pathobiology, Signaling and Molecular
Targets**

Spetses, Greece, Sep 2 - 7, 2011
Organiser: Nikos Karamanos
Deadline for applications: April 29, 2011
[Email](#)
[Course Website](#)
[Additional Information](#)

**ALC11-034
Immune system: genes, receptors and
regulation**

Hvar, Croatia, 3 - 11 September 2011
Organiser: Hans-Reimer Rodewald
Deadline for applications has been extended
to: July 8, 2011
[Email](#)
[Course Website](#)

**ALC11-045 (EMBO Conference Series)
Europhosphatases 2011 - Protein
Phosphatases: from Molecules to
Networks supported by FEBS Youth Travel
Funds**

Baden, Austria, July 18 - 23, 2011
Organiser: Egon Ogris
**Deadline for applications has been extended:
May 15, 2011**
[Email](#)
[Course Website](#)

Practical Courses

**PC11-028
5th International Course on Yeast Systems
Biology**

Gothenburg, Sweden, June 6 - 23, 2011
Organiser: Stefan Hohmann
Deadline for applications has been extended:
March 15, 2011
[Email](#)
[Course website](#)

**PC11-029
Viral Expression Vectors for Basic and Applied
Studies**

Tartu, Estonia, April 25 - May 5, 2011
Organiser: Eva Zusinaite
Deadline for applications: February 1, 2011
[Email](#)
[Course Website](#)
[Course Poster](#)

**PC11-033
Practical Course on Gene expression
Regulation and Data Integration 2011**
Debrecen, Hungary, Aug 27 - Sep 4, 2011
Organiser: Laszlo Nagy

Deadline for applications has been changed: **May 30, 2010**

[Email](#)
[Course Website](#)
[Course Poster](#)

PC11-040
FEBS Practical Course on Protein Interaction Modules

Split, Croatia, Sep 2 – 9, 2011
Organiser: Ivan Dikic
Deadline for applications: April 15, 2011
[Email](#)
[Course website](#)

Combined Practical and Lecture Courses

PLC11-009
In silico Systems Biology: Network Reconstruction, Analysis and Network-based Modelling

Hinxton, England, May 23 - 26, 2011
Organiser: Vicky Schneider
Deadline for applications: March 1, 2011
[Email](#)
[Course Website](#)
[Course Poster](#)

PLC11-010
Chemistry of Metals in Biological Systems

Louvain-la-Neuve, Belgium, May 15 - 22, 2011
Organiser: Robert Crichton
Deadline for applications has been extended: 31 January 2011
[Email](#)
[Course website](#)

PLC11-022
Introduction into Systems Biology: Basics of Proteomics, Bioinformatics, Biostatistics & Integration of Data Generated by these Fields

Athens, Greece, Sep 26 - 30, 2011
Organiser: Sophia Kossida
Deadline for applications: June 30, 2011
[Email](#)
[Course Website](#)
[Course Poster](#)

PLC11-041
Fundamental Techniques in Mammalian Cell Biology

London, United Kingdom, June 5 - 11, 2011
Organiser: Ivan Gout
Deadline for applications: April 5, 2011
[Email](#)
[Course website](#)
[Course Poster](#)

Workshops

WS11-008
Protein Modules and Networks in Health and Disease

Seefeld, Austria, September 14 - 18, 2011
Organiser: Giulio Superti-Furga
Deadline for applications: June 15, 2011
[Website](#)
[Email](#)

WS11-024 - cancelled!
The Tissue Remodeling in Aging and Disease

Vienna, Austria, April 12 - 15, 2011
Organiser: Lutz-Henning Block
Deadline for applications: January 12, 2011
[Email](#)

WS11-031
The Spiders Web: How Microtubules Organize Cellular Space

Potsdam, Germany, June 29 – July 1, 2011
Organiser: Ralph Gräf
Deadline for applications: April 22, 2011
[Email](#)
[Course Website](#)

WS11-038
Cell Biology and Pharmacology of Mendelian Disorders

Napoli, Italy, October 7 - 11, 2011
Organiser: Daniela Corda
Deadline for applications has been extended to 24 August 2011
[Email](#)
[Course website](#)

WS11-039
Plant Organellar Signaling – From Algae to Higher Plants

Primosten, Croatia, Aug 31 – Sep 3, 2011
Organiser: Ute Vothknecht
Deadline for applications: June 30, 2011
[Email](#)
[Course Website](#)

Joint FEBS/EMBO Courses

EFLC11-003
Biomembrane Dynamics: From Molecules to Cells

Cargese, France, June 20 – 28, 2011
Organiser: Gerrit van Meer
Deadline for applications: 30 March 2011
[Email](#)
[Course Website](#)

EFLC11-026
Biophysics of Channels and Transporters

Sicily, Italy, May 10 – 18, 2011
Organiser: Baruch Kanner
Deadline for applications: March 1, 2011
[Email](#) - kannerb@cc.huji.ac.il
[Course Website](#)

EFLC11-032
Actin-Based Motility: From Molecules to Model Organisms

Stresa, Italy, Oct 29 – Nov 2, 2011
Organiser: Giorgio Scita
Deadline for applications: August 31, 2011
[Email](#)
[Course Website](#)
[Course Poster](#)

2012 FEBS ADVANCED COURSES

Advanced Lecture Courses

Toward cutting edge - Advanced Summer School in Biochemistry and Molecular Cell Biology: Metabolism and Metabolic Diseases

Shanghai, China

July 2-7, 2012

Organizer: Dr Xiaoli Sun, [Email](#)

Course

website: <http://www.csmb.org.cn/ifcc2012/eindex.asp>

Poster: click [here](#) to download

Deadline for applications: April 28, 2012

A limited number of transcontinental Youth Travel Fund grants are available to support attendance at this meeting of scientists from the FEBS area; please contact the organizer for further details.

High Performance Proteomics

Varna, Italy

August 19-25, 2012

Organizer: Dr Bernhard Kuster, [Email](#)

Course website: <http://www.proteomic-basics.eu/>

Poster: click [here](#) to download

Deadline for applications: May 15, 2012

Topics: all major proteomic technologies will be covered, including sample preparation, protein/peptide separation, quantitative mass spectrometry and bioinformatics, as well as a wide range of applications in basic biology, systems biology, and clinical and structural proteomics.

Sofia School of Protein Science: Structure and Dynamics of Biological Macromolecules

Sofia, Bulgaria

September 9-14, 2012

Organizer: Dr Andrey Karshikof, [Email](#)

Course website: <http://www.febs2012.com>

Deadline for applications: June 1, 2012

Topics: methods for structure determination; mass spectrometry of proteins; physical chemical properties of proteins; non-covalent interactions; structure-function relationships.

Pathogen-Host Interactions of major Animal Infectious Diseases and Zoonoses

Spetses, Greece

September 9-15, 2012

Organizer: Dr Joachim Frey, [Email](#)

Course

website: <http://www.kas.unibe.ch/FEBS2012/>

Deadline for applications: June 15, 2012

Topics: bacterial, viral and parasitic infections in their natural animal hosts, including disease epidemiology, host invasion, adhesion, the bacterial metabolome and virulence, intracellular survival, avoidance of innate and acquired immunity, cell and tissue damage, host response shaping viral evolution, evasion of intrinsic, innate and adaptive immunity, and the molecular contribution of host and viral factors to disease.

Lipid Signalling and Cancer

Sorrento (Naples), Italy

October 4-10, 2012

Organizer: Dr Daniela Corda

Course website: <http://febs2012.ibp.cnr.it/>

Poster: click [here](#) to download

Deadline for applications:

Registration to the course remains open while there are places available. For any information please contact the Workshop Secretariat for details, at febs2012@ibp.cnr.it

YTF grants application until August 3, 2012

Topics: lipid signaling (phosphoinositides, lysolipids and glycerophosphoinositols, sphingolipids); lipid signaling and cancer; lipids as drug targets in cancer treatment

Practical Courses

Advanced Methods in Macromolecular Crystallization - V

Nove Hrady, Czech Republic

June 22-29, 2012

Organizer: Dr Ivana Kutá Smatanová, [Email](#)

Course website: <http://www.img.cas.cz/igm/cc/>

Deadline for applications: March 31, 2012

Bioinformatics for the Bench Biologist

Dubrovnik, Croatia

September 3-8, 2012

Organizer: Dr Kristian Vlahoviček, [Email](#)

Course website: <http://www.bioinfo.hr/febs>

Deadline for applications: May 1, 2012

Combined Practical and Lecture Courses

Physical Chemistry of Biointerfaces – PhysChemBio II

San Sebastian, Spain

July 10-14, 2012

Organizer: Dr Ilya Reviakine, [Email](#)

Course

website: <http://www.cicbiomagune.es/PhysChemBio/>

Topics: intermolecular and surfaces forces, bases of thermodynamics and statistical physics that underpin our understanding of biointerfaces, organization and mechanics of subcellular assemblies, cells and their interactions with the surrounding environment, applications of these concepts in the areas of biomaterials and biosensors. In the hands-on practical component of the course that follows the lectures, students will have the chance to experience first-hand state-of-the-art methods and tools used in biointerfaces research.

Deadline for applications: March 15, 2012

Microspectroscopy: Visualization of Protein Dynamics in Living Cells

Wageningen, The Netherlands

September 4-13, 2012

Organizer: Dr J.W. Borst, [Email](#)

Course website: <http://www.microspectroscopy-course.eu/>

Topics: confocal microscopy, two-photon microscopy, photo-activatable imaging, single particle tracking, total internal reflection fluorescence microscopy, super-resolution and correlative microscopy, Förster resonance energy transfer (FRET), fluorescence lifetime imaging (FLIM), ratio-imaging microscopy, fluorescence correlation spectroscopy (FCS), multidimensional Imaging, fluorescence recovery after photobleaching (FRAP)

Deadline for applications: July 1, 2012

Fundamentals of Modern Methods of Biocrystallography - BioCrys2012

Oeiras, Portugal

October 20–27, 2012

Organizer: Dr Maria Arménia Carrondo, [Email](#)

Course website: <http://biocrys2012.itqb.unl.pt/>

Topics: from fundamentals – such as symmetry, point groups and crystal systems, basic diffraction physics, reciprocal space and the Ewalds sphere, radiation damage, data processing, symmetry in the diffraction pattern, structure factors, and Patterson function – to modern methodologies including molecular replacement, SAD, MAD, MIR and maximum likelihood phasing, direct methods, density modification, refinement, model building, twinning and structure validation. Key challenges in sample preparation and crystallization of proteins will also be covered, as well as difficulties in structural studies of membrane proteins and the future applications of free electron lasers in structural biology.

Deadline for applications: July 31, 2012

Workshops

Microbial Lipids: Diversity in Structure and Function

Bern, Switzerland

May 16–19, 2012

Organizer: Dr Peter Bütikofer, [Email](#)

Course

website: <http://www.eurofedlipid.org/meetings/bern2012/index.htm>

Deadline for applications: March 1, 2012

Mitochondrial Biochemistry, Physiology and Pathology

Cambridge, UK

July 6–12, 2012

Organizer: Dr Guy C. Brown, [Email](#)

Course

website: <http://www.mitophysiology.org/index.php?id=mipschool-2012>

Deadline for applications: May 1, 2012

Topics: mitochondrial structure, functions, biogenesis, respiration, ATP synthesis, transport, ROS, hypoxia and roles in cell death, cancer, neurodegeneration, cardiovascular disease, ageing and evolution.

Noncoding RNA in Transcription, Chromatin and Epigenetics

Aarhus, Denmark

August 6–10, 2012

Organizer: Dr Torben Heick Jensen

Course website: www.nocorna.au.dk

[Email](#)

Deadline for applications: May 15, 2012

Speakers: Karen Adelman (Genomic strategies for dissecting the dynamics of early transcription elongation); Marc Bühler (Emerging roles of RNA turnover mechanisms in genome regulation); Richard Meehan (The rheostat of the dynamic genome; epigenetics in development, disease and identity); Kiyoshi Nagai (Structural studies of the spliceosome); Marc Timmers (histone methylation and gene transcription by RNA polymerase II); Antonin Morillon (Regulation of gene expression by antisense RNA); Laszlo Tora (Mechanisms of

transcription initiation); Shona Murphy (CTD phosphorylation and transcription of small non-coding RNAs); Olivier Voinnet (miRNA biology, dcr activity)

Lipids: from Lipidomics to Disease and Green Energy

Spetses, Greece

August 23–29, 2012

Organizer: Dr Bernd Helms, [Email](#)

Course website: <http://www.febs-lipids.org/>

Deadline for applications: June 15, 2012

Topics: lipids in inflammation, lipids host–pathogen interactions, lipid droplets, lipid disorders, lipidomics, lipid-based biofuels

New Developments in RNA Biology: State of the Art and Future Perspectives

Tavira, Portugal

September 1–4, 2012

Organizer: Dr M. Leonor Cancela, [Email](#)

Course website: <http://www.febs2012rna.org/>

Deadline for applications: June 1, 2012

Dynamics of Cell Signal Systems

Oslo, Norway

September 27–30, 2012

Organizer: Dr Kjetil Taskén, [Email](#)

Course website: www.biotek.uio.no/workshop-2012/

Deadline for applications: August 13, 2012

Molecular and Cellular Mechanisms in Angiogenesis

Capri (Naples), Italy

October 14–17, 2012

Organizer: Dr Maria Patrizia Stoppelli, [Email](#)

Course website: <http://capri2012.iqb.cnr.it/>

Deadline for applications: July 15, 2012

Topics: molecular factors and multiple cellular elements, mainly inflammatory cells, involved in new vessel formation; model systems of pathological angiogenesis, focusing on cancer and ocular neovascularization; latest advancements in therapeutic approaches to control neovascularization.

Decisions in the Life of Immune Cells

(partially supported by FEBS)

Rehovot, Israel

November 26–27, 2012

Organizer: Prof. Idit Shachar, [Email](#)

Course

website: www.weizmann.ac.il/conferences/ImmuneCellDecisions/

Deadline for applications: July 31, 2012

Topics: recent advances in our understanding of the epigenetic control of cell identities, plasticity maintenance and immune cell communication with their surroundings

Special Meetings

ATP-Binding Cassette (ABC) Proteins: from Multidrug Resistance to Genetic Disease – ABC2012

Innsbruck, Austria

March 3–9, 2012

Organizer: Karl Kuchler

<http://cdl.univie.ac.at/abc2012/>

Deadline for applications: December 15, 2011

Protein Quality Control and Ubiquitin Systems in Health and Disease

Kusadasi, Aydin, Turkey

November 14–16, 2012

Organizer: Dr Petek Ballar, [Email](#)

Course website: www.febs-ub2012.org

Deadline for applications: September 28, 2012

Joint FEBS/EMBO Courses

Mesoscopic Origins of Cell Behaviors during Tissue Morphogenesis: Biochemical Circuits and Mechanics

Cargèse, France

April 30 – May 5, 2012

Organizer: Dr Pierre-François Lenne,

[Email](#)

Deadline for applications: January 30, 2012

Mitochondria in Life, Death and Disease

Fodele, Crete, Greece

May 9–13, 2012

Organizer: Dr Kostas Tokatlidis, [Email](#)

Course website: <http://events.embo.org/12-mitochondria>

Deadline for applications: March 1, 2012 (YTF application deadline February 20, 2012)

Topics: assembly/degradation of respiratory complexes, mitochondrial maintenance and dynamics, organelle metabolism, signalling and metal biology, macromolecule (RNA, protein) trafficking, mitochondrial gene expression, mitochondrial dysfunctions (diseases, cancer, apoptosis, ageing) and new technologies (see also program). The invited speakers and session chairs are international leaders in mitochondrial research in many different organisms (yeast, trypanosomes, flies, plants, mice and man). Prof. Klaus Pfanner, a renowned researcher in mitochondria biogenesis, will give the EMBO lecture.

Novel Biophysical Approaches in the Investigation of the Cytoskeleton 27th European Cytoskeletal Forum Meeting

Pecs, Hungary

November 3–7, 2012

Organizer: Dr Miklos Nyitrai, [Email](#)

Course website: <http://events.embo.org/12-cytoskeleton/>

Deadline for applications: June 30, 2012

2013 FEBS ADVANCED COURSES

FEBS Advanced Lecture Courses

HFP2013: Molecular mechanisms of host-pathogen interactions and virulence in human fungal pathogens

La Colle-sur-Loup, France

May 25–31, 2013

Course website: www.pasteur.fr/hfp2013

Organizer: Dr Christophe d'Enfert

The course has been designed to provide students with both an overview of current knowledge and an update on the most recent advancements in molecular research on fungal pathogens. Symposia topics include: comparative and evolutionary genomics, signalling and morphogenesis, mating, host-fungus interactions, cell wall dynamics, antifungal resistance and development, animal models of fungal infections. Workshops and poster sessions will provide participants with the opportunity to present their results.

Applications deadline: February 15, 2013

Molecular mechanisms in signal transduction and cancer

Spetses, Greece

August 16–24, 2013

Course website: cgc.umcutrecht.nl/upcoming-events/spetses-2013/

Organizer: Dr Johannes Bos

The course will focus on the importance of targeting signaling pathways in cancer. Leaders in the fields will go back to basics but also bring participants into the future of this timely topic. Social interactions are an important aspect of the meeting.

Applications deadline: April 1, 2013

Nuclear receptor signaling in physiology and disease

Spetses, Greece

August 25–30, 2013

Course website: www.bionut.ki.se/conference/spetse2013/

Organizer: Prof. Eckardt Treuter

Contact: Lena Magnell, Email

The course will emphasize how nuclear receptors, a paradigm for signal-regulated transcription factors, control development and physiology, how dysregulation of nuclear receptor signaling contributes to human diseases, and how nuclear receptors have emerged as significant drug targets.

Applications deadline: June 10, 2013

Immune system: genes, receptors and regulation

Rabac, Croatia

September 14–21, 2013

Course website: www.febs-immunology-course.org

Organizer: Dr Hans-Reimer Rodewald

This course will cover all aspects of modern cellular and molecular immunology. Special emphasis will be placed on tolerance and immune regulation, regulatory T cell differentiation, the differentiation and functions of innate lymphoid cells, mucosal immunity, host-commensal interactions, dendritic cells, inflammation and metabolism, epigenetic control of virus spreading and tropism, HIV infection, and the origins of lymphocyte malignancies.

Applications deadline: July 1, 2013

Matrix pathobiology, signaling and molecular targets

Kos, Greece

September 26 – October 1, 2013

Course website: www.febs-mpst2013.upatras.gr/

Course poster: click [here](#)

Organizer: Nikos Karamanos

General lectures/tutorials: glycobiology, proteoglycans, metalloproteinases, cell surface receptors, matrix mediators. Plenary symposia: matrix pathobiology, interactions and functions of matrix macromolecules, glycobiology and metabolic regulation of ECM molecules, cell receptor signaling and ECM-based nanotechnology, signaling and disease molecular targeting, matrix regulation in health and disease, cancer stem cell biology and biomarkers.

Applications deadline: May 20, 2013

FEBS Joint Lecture Courses

A Joint FEBS/Biochemical Society Focused Meeting Exploring kinomes: pseudokinases and beyond

Cambridge, UK

March 24–26, 2013

Course

website: www.biochemistry.org/tabid/379/MeetingNo/SA147/view/Conference/default.aspx

Organizers: Dr James Murphy, Dr Patrick Eyers, Dr Dario Alessi

Topics: Pseudokinases: definition and experimental challenges; structural, biochemical and chemical biology approaches to studying the kinome/pseudokinome; unusual and atypical protein kinases; pseudokinases in human disease; non-mammalian pseudokinases; pseudokinases as drug targets; histidine kinases and protein kinase evolution; hot topics in pseudokinase research
Applications deadline: January 18, 2013

A joint FEBS/EMBO Lecture Course Biomembranes: molecular architecture, dynamics and function

Cargèse, Corsica, France

June 10–20, 2013

Course

website: testweb.science.uu.nl/cargese2013

Organizer: Prof. Gerrit van Meer

This is an excellent opportunity to acquire an integrated overview of the structure, function and genesis of biological membranes, to gain more insight into the possibilities offered by different disciplines, and to learn about the multiple approaches, techniques and specialties in membrane research.

Applications deadline: March 30, 2013

A joint FEBS/EMBO Lecture Course Host-microbes interactions

Spetses, Greece

August 30 – September 7, 2013

Course website: events.embo.org/13-host-microbe/index.html

Organizers: Prof. Pascale Cossart, Prof. Roberto Kolter, Dr Javier Pizarro-Cerda

The course will provide a timely update on critical microbiology themes (bacterial communities, meta-genomics, microbial diversity, cellular microbiology, etc.), while encouraging interactions between lecturers and students within a unique environment.

Applications deadline: March 15, 2013

A joint FEBS/EMBO Lecture Course Protein interactions, assemblies and human disease

Spetses, Greece

September 16–26, 2013

Course website: www.spetsai.org

Organizers: Profs Daniel Otzen, Alan Fersht and Daniela Rhodes

The course aims to link a system-oriented view of protein-protein interactions with the underlying molecular principles and their implications in human disease. The course will integrate robust experimental approaches with a more global understanding of the many interactions that proteins are involved in. Topics: interactomes, networks and disease, whole-cell structural studies, proteostasis, biophysics in the cellular environment, protein folding/misfolding/aggregation, proteins in therapy, membrane protein folding, telomere biology and structure.

Applications deadline: May 1, 2013

A joint FEBS / Biochemical Society Lecture Course Cell-penetrating peptides: design, synthesis and applications

London, UK

October 7–10, 2013

Course

website: www.biochemistry.org/Conferences/AllConferences/tabid/379/View/Conference/MeetingNo/IND106/Default.aspx

Organizer: Dr John Howl

Topics: Applications of CPP for drug delivery; cell-selective targeting of CPP; CPP as signal transduction modulators; decoy and siRNA oligonucleotide delivery strategies; homeoproteins and gene expression; intracellular delivery of nanoparticles; prediction of CPP and prodrugs; toxicity and transport of CPP

Applications deadline: August 31, 2013

FEBS Workshops

Nucleotide excision repair and interstrand crosslink repair – from molecules to man

Smolenice, Slovakia

June 9–13, 2013

Course website: www.exon.sk/smolenice2013

Organizer: Dr Peter McHugh

EU and US scientists will discuss how protein machines assemble and sort through genomic DNA to identify specific damaged sites that are repaired through the two repair pathways critical for normal human health and development: nucleotide excision repair or interstrand crosslink repair.

Applications deadline: April 1, 2013

Biological surfaces and interfaces

Sant Feliu de Guixols, Spain

June 30 – July 5, 2013

Course website: www.esf.org/activities/esf-conferences/details/2013/confdetail427.htm?conf=427&year=2013

Organizer: Dr Ralf Richter

The workshop aims to stimulate exchange of ideas between biologists, chemists, physicists, engineers and physicians in this rapidly growing field, whose applications include biosensors, biochips, tissue engineering, medical implants, stem cell therapies, nanomedicine and drug delivery. Topics will include: biomimetic surface platforms; biomembrane and supramolecular materials; controlling cellular responses by designed and intelligent surfaces; soft matter science; nanotechnology; optical, magnetic and mechanical detection systems with down to single-molecule sensitivity; bioarrays.

Applications deadline: March 31, 2013

Translating epigenomes into function: a next-generation challenge for human disease

Capri (Napoli), Italy

October 13–16, 2013

Course website: workshop.igb.cnr.it

Course poster: click [here](#)

Organizer: Dr Sandro de Falco

The meeting will focus on key aspects of epigenetic inheritance, looking at emerging strategies for data integration in the era of next-generation genomics.

It will highlight advances in the dynamic cross-talk of epigenetic regulators within genomes, and how it controls complex processes and disease states.

Applications deadline: July 15, 2013

FEBS Practical Courses

State-of the-art infection models for human pathogenic fungi

Jena, Germany

February 17 – March 2, 2013

Course website: www.hki-jena.de/mpm

Organizer: Prof. Bernhard Hube

Human pathogenic fungi frequently cause superficial or invasive infections. In this course, hands-on training on fungal infection models will be provided, and expert lectures will provide state-of-the-art scientific background and cover further scientific aspects of host–fungal interactions.

Applications deadline: October 15, 2012

Yeast systems biology

Gothenburg, Sweden

June 3–10, 2013

Course website: www.icysb.se

Organizer: Dr Stefan Hohmann

The course goal is to enable PhD students and young post-doctoral scientists, with a background in experimental biology or medicine and/or in the theoretical sciences (physics, mathematics, engineering), to integrate mathematical modelling and simulation with experimental research for solving biological or medical questions. Particular emphasis will be on dynamic modelling of cellular pathways and analyses at single-cell level. Yeast is used as the experimental organism but the principles taught apply to any organism, including humans.

Applications deadline: March 15, 2013

FEBS Special Meetings

Eurobiofilms 2013

Ghent, Belgium

September 9–12, 2013

Organizer: Dr Patrick Van Dijck

Course website: www.eurobiofilms2013.ics.dk/

This third European congress on microbial biofilms will provide a platform for all scientists studying basic and clinical aspects of bacterial and fungal biofilms to present novel data and exchange new information. The multidisciplinary and diverse program will be delivered through various plenary sessions and symposia, with leading scientists in the field as speakers and/or chairpersons. Several educational pre-conference workshops will take place on 9 September.

Abstract submission deadline: May 10, 2013

The 2nd FEBS Special Meeting on JAK/STAT signalling: model systems and beyond

Nottingham, UK

September 12–15, 2013

Course website: <http://nott.ac.uk/jakstat2013>

Organizer: Uwe Vinkemeier

This meeting brings together world leaders in the field of JAK/STAT pathway research to discuss the latest developments. The topics include JAK/STAT signalling in health and disease as well as recent insights gained from model systems including fish and insects. This promises to provide stimulating exchanges across the breadth of the field with many opportunities to forge interdisciplinary links.

Applications deadline: August 2, 2013