





ESBS, October 6th - 8th



# **Agenda**

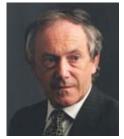
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#### **MESSAGE**

#### Perception of the beauty of the world

"Scientists are hewers of simplicity out of complexity, they look at the world and see it is complex and see its beauty in its complexity, but they explore beneath the complexity and look for the simplicity from which the complexity springs."



Peter Atkins, Professor at Lincoln College, Oxford University



# Welcoming words from FBN's Chairman

### **WELCOME TO THE 5<sup>TH</sup> YEBN Annual Meeting**

Dear colleagues,

Today, life sciences are advancing at an exceptional rate, driven by a relentless pursuit of their fundamental principles and by an increase in their public relevance. New discoveries, new inventions, and new solutions continually add dimensions to the field and change the accepted theories.

New frontiers of BiotecKnowledge offers an insight into cutting-edge research occurring in life sciences and covers a wide variety of topics from cancer research and stem cells to land-mine detection by plants.

While scientists are eager to explore new ground, they face the challenge of striking a careful balance between their private lives, their careers, and knowing the right people at the right time. To work on the later two, *new frontiers of BiotecKnowledge* provides a good platform.

Renowned experts will give you the information, tools, and strategies needed to lead effective research and biotech businesses today - and tomorrow. Besides that, you might meet key figures in industry and academia or join colleagues with similar interests for thought-provoking discussions in the evening.

Enjoy your stay in Strasbourg!



Christof Fellmann Chairman YEBN France French Biotech Network





### **Words from ESBS's Director**

#### Ecole Supérieure de Biotechnologie de Strasbourg (ESBS) Ecole Européenne des Universités du Rhin Supérieur

The ESBS clearly shows its European ambition through the partnership between the universities of Basel, Freiburg, Karlsruhe and Strasbourg, thereby creating a European School of the Upper Rhine Universities. This association leads to a shared teaching programme delivered on the four sites, in either English, French or German. The degree of "Engineer in Biotechnology" is jointly awarded by the four partner universities and is official in the three countries, France, Germany and Switzerland.

The programme covers all domains of fundamental and applied molecular and cellular biology, such as genetic engineering, immunology, microbiology, virology, as well as biophysics, chemistry, computer sciences, electronics, mathematics and process engineering. Language courses and aspects of management applied to start-up companies in biotechnology are also an important part of it. Altogether this three-year course includes two one-month training periods in laboratories, at the end of the first and second year. The sixth and last semester (third year) is in fact an eight-month internship, in most cases in an industrial laboratory.

The whole curriculum gives the students the right background to adapt to either academic institutions or the industrial world, mostly in research and development, but also in production. Finally their trilingual education and their various stays in foreign countries make them particularly fit for the international market.

Professor Claude Kedinger Director of the ESBS



### Words from YEBN's EB Chairman

Dear friends and colleagues,

Welcome in Strasbourg, at the YEBN Annual Meeting 2006.

BiotecKnowledge, the topic of this year, is in line with the Lisbon Strategy, defined in march 2000, when Europe aimed to become the "most competitive and dynamic knowledge-based economy in the world, capable of sustainable economic growth with more and better jobs and greater social cohesion". After 6 years, the European Commission identified today that to reach these goals it is necessary to create innovation, new technology and social involvement from the knowledge, as it is reflected in the seventh framework program of the EU commission. The Young European Biotech Network (YEBN) grew up following these trends. YEBN aims to strengthen the cooperation among European citizens through a network of associations and individuals engaged in Life Sciences, in order to promote a responsible and dynamic community of young scientists.

In particular, 2006 has been a great year for YEBN under the sign of a new mature phase. EuroBioJobs.org is launched, bringing a professional job service to the whole YEBN network, realizing a long aspired goal of creating value added job services to our members. YEBN became partner with important European actors: the European Federation of Biotechnology, BioVision, EuropaBio, EuroBio, Nature Jobs, ScanBalt, to remind some of the majors.

In 2006 YEBN is also granted by the European Commission, Directorate general of Education and Culture under the "supporting bodies active in the filed of youth" program.

The next generation of scientists, to be able to create value and innovation from knowledge, needs first to get the right skills. YEBN is realizing an European management of science project with important stakeholders that aims to develop a new model of training scientists and fill this gap.

Active in Science and Society, YEBN runs initiatives like BIOPOP, a project under the sixth framework program, in which young European biotechnologists meet citizens to build a new model of communication with society, and to move toward a science made of participation, discussion and decision sharing.

I conclude this glance on YEBN wishing you a fruitful time in Strasbourg and inviting you to Barcelona for the YEBN annual meeting 2007, under the European Congress of Biotechnology 13.

Stay linked!

Dr. Marco Quarta

Chairman of the YEBN Executive Board



### **Partners**

#### **YEBN Annual Meeting Main Partner**



#### **YEBN Annual Meeting Partners**













Uni Freiburg Uni Basel Uni Karlsruhe

### **YEBN Annual Meeting Institutional Partners**











### **YEBN Central Partners**





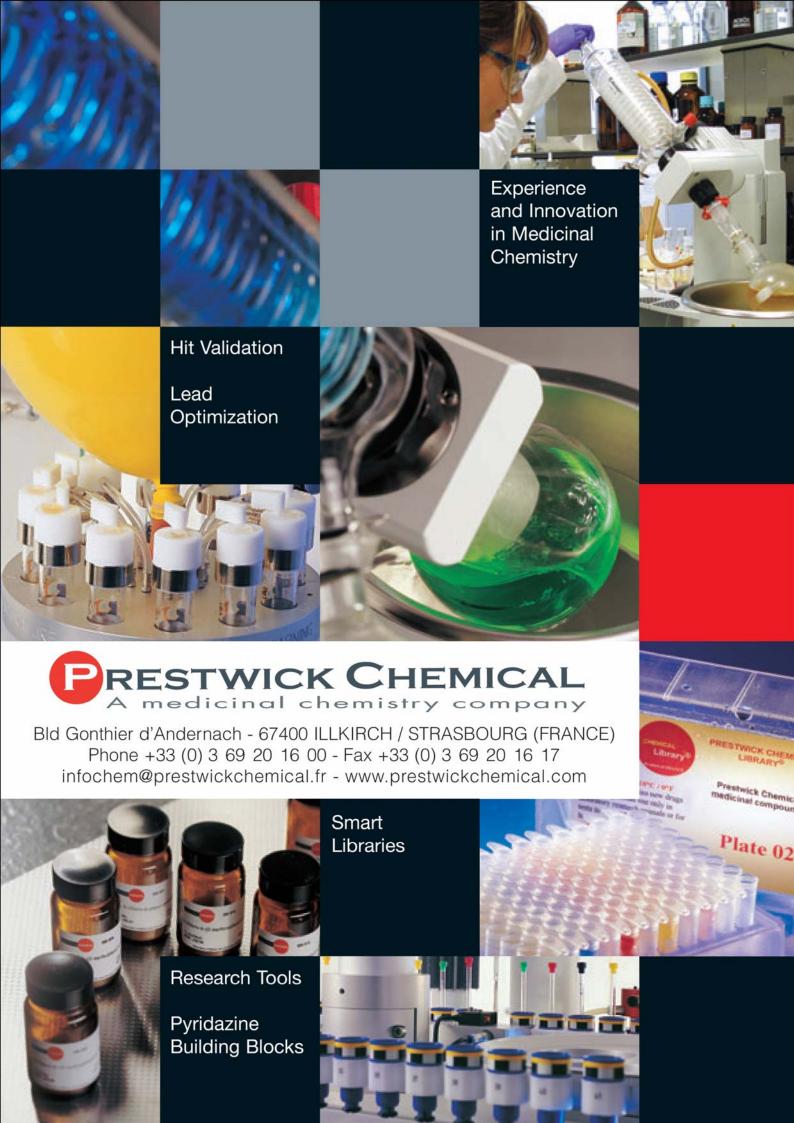




### FRIDAY, October 6<sup>th</sup>

Internal meeting		
9:00	Individual arrival of YEBN members	
9:00 – 12:00 Chambre de Commerce	Welcoming speech Marco Quarta, Chairman YEBN Central YEBN internal meeting (for details see Working Paper)	
12:00 – 12:45 Old town of Strasbourg	Lunch break and networking	
12:45 – 14:15 Strasbourg	Boat trip around Strasbourg (offered by the CUS)	
14:15 – 19:00 (option 1) ESBS	Continuation of the YEBN internal meeting	
14:15 – 19:00 (option 2) ESBS	Seventh Jean-François Lefèvre Lecture in Biophysics 14:30 - Gilles Travé, ESBS Structural and functional analysis of E6 oncoprotein 15:15 - Bruno Klahotz, IGBMC Strasbourg Visualizing the ribosome using cryoelectron microscopy 16:00 - Nenad Ban, ETH Zurich Architecture of a fungal fatty acid synthase at 5 A resolution Aperitif and networking	
19:00 ongoing Strasbourg	Dinner and evening activities	







# SATURDAY, October 7<sup>th</sup>, morning

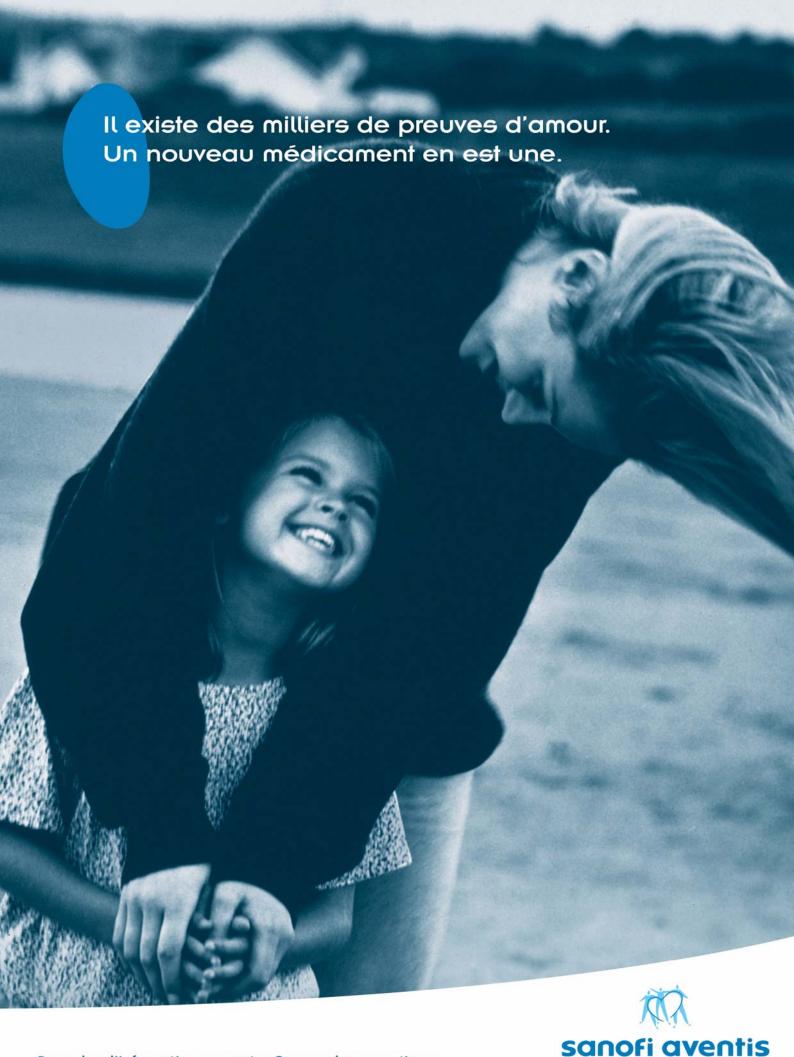
Conference and exhibition day			
Morning: keynote speeches			
9:00 - 9:05	Welcoming speech		
ESBS	Christof Fellmann, Chairman YEBN France		
9:05 - 9:10	Opening speech		
ESBS	Marco Quarta, Chairman YEBN Central		
9:10 – 9:15	Welcome to the ESBS		
ESBS	Claude Kedinger, Director ESBS		
9:15 – 10:00 ESBS	Why and how to pursue a career in biotechnology. Current		
	developments and perspectives.		
	Werner Arber, Nobel laureate, PhD		
10:00 – 10:30	Coffee break with thematic tables		
ESBS	Opening of the exhibition		
10:30 – 11:15	Pre-implantation genetic diagnosis: facts and limits.		
ESBS	Stéphane Viville, IGBMC / University hospital Strasbourg, PhD		
11:30 – 12:15 ESBS	Why so many misunderstandings about genetics and		
	biotechnology?		
	Bertrand Jordan, research director at the CNRS		
12:15 – 14:00	Lunch break and networking		
ESBS	Discover the flavours of the Alsatian cuisine		





### SATURDAY, October 7<sup>th</sup>, afternoon

Conference and exhibition day  Afternoon: workshops					
	Fundamental research	Biotechnology	Political and economical aspects		
14:00 – 14:45 ESBS	Cancer genes and stem cells Andreas Trumpp, Professor at ISREC / EPFL, PhD	Directed evolution and high-throughput screening in microdroplets Andrew Griffiths, Chair of excellence ISIS / ULP, PhD	Industrial property at international level Beatrice Tézier Herman, Cabinet Becker, Paris		
15:00 – 15:45 ESBS	(Exhibition)	Landmine detection by plants Jarne Elleholm, CEO Aresa A/S	Economical aspects of biotechnology and future investment strategies Marc Le Bozec, founder of BioProtein Technologies, MBA		
15:45 – 16:15 ESBS		Tea Break / exhibition			
16:15 – 17:00 ESBS	Synaptic plasticity during fear learning Yann Humeau, INCI / ULP – FMI, PhD	Antibody alternatives & start-up companies Kaspar Binz, Molecular partners, PhD	(Exhibition)		
17:15 – 18:00 ESBS	Career development. Commented job interview Michel Klingler, Pro Evolution, Right Management Marc Sarwatka, Pro Réseau RH, Consultant				
18:00 – 18:15	Presentation of EuroBioJobs Philipp Angerer, ETH Zürich, PhD				
18:15 – 21:00 Strasbourg	Individual dinner, down-town Strasbourg				
21:00 onwards	Bi	BioParty & evening activities			



L'essentiel c'est la santé.



### SUNDAY, October 8<sup>th</sup>

YEBN general assembly			
9:00 - 10:30 ESBS	Opening of the general assembly (see Working Paper) Marco Quarta, Chairman YEBN Central Discussion of important YEBN topics Open discussion on candidates		
10:30 - 11:00 ESBS	Coffee break		
11:00 - 13:00 ESBS	Voting procedures Institutional members, projects, synergies Conclusion and outlook		
13:00 – 18:00	Tour around Strasbourg		

# Insight on the speakers

#### Werner ARBER



Werner Arber (born June 3, 1929) is a Swiss microbiologist. He attended the Swiss Federal Institute of Technology in Zurich. Arber went on to work at the University of Southern California and later at the University of Basel. As a laboratory assistant at the University of Geneva, he researched bacteriophages and wrote his dissertation on defective lambda prophage mutants.

Along with fellow researchers Hamilton Smith and Daniel Nathans, Arber received the 1978 Nobel Prize in Physiology or Medicine for the discovery of restriction endonucleases. Their work would lead to the development of recombinant DNA technology.

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# Insight on the speakers

#### **Bertrand JORDAN**



Bertrand Jordan has a track record that spans the world of particle physics, having worked at CERN in Geneva, to being CNRS Research Director and then director at CIML, where he headed up the program on large-scale transcript analysis. He coordinated the Marseille-Genopole project and is still active with Ipsogen where he presides over the

scientific advisory board. Bertrand Jordan first isolated and completely sequenced an HLA gene in 1982.

### Stéphane VIVILLE



Stéphane Viville made a post-doc in Azim Surani's lab in Cambridge, working on genomic imprinting. While working in assisted reproduction biology, he developed a pre-implantation genetic diagnosis (PGD) centre at the University Hospital of Strasbourg, where he is now the director of the Reproductive Biology ward. He also leads a laboratory of fundamental research at the IGBMC in Strasbourg.

#### **Andreas TRUMPP**



Andreas Trumpp is Group Leader of the Stem Cell and Genetics Laboratory at the Swiss Institute for Experimental Cancer Research (ISREC). After obtaining his PhD at the European Molecular Biology Laboratories (EMBL) he worked with J. Michael Bishop at the University of California in San Francisco (UCSF). He has generated a number of mouse mutants in which the c-myc proto-oncogene and the pten tumour suppressor gene can be conditionally deleted.



# Insight on the speakers

#### **Andrew GRIFFITHS**



Andrew Griffiths, former scientist at the Medical Research Council, Cambridge (UK) is a Professor at the ISIS / ULP (Université Louis Pasteur) since the 1st of October 2005 after being an associate Professor in the 2004. The Minister of national education and research gave him a "chaire d'excellence" in 2004.

#### Marc Le BOZEC



Marc Le Bozec graduated from HEC (France's leading Business School). He acquired proficiency in business management and in management of innovation within prestigious practices (Bossard Consultants, Gemini Consulting, Arthur D. Little).

#### Jarne ELLEHOLM



Jarne Elleholm, Administrative Director of Aresa, worked as European Vice President for Whatman International from 2003 to 2004. In Cambridge UK he served in the Eastern Region Pharmaceutical Group and the Steering Committee for Eastern Region Biotech Initiative. Today, as CEO of Aresa, he is promoting the detection of landmines with plants.



# Insight on the speakers

#### **Kaspar BINZ**



Kaspar Binz developed his scientific skills in centres of excellence such as the ESBS in France, the Royal Institute of Technolgy in Sweden, and the University of Zürich in Switzerland where, in the group of Andreas Plückthun, he obtained his PhD. The same group founded, in 2004, Molecular Partners as a spin-off company of the University of Zürich.

#### Yann HUMEAU



Yann Humeau's research is focused on synaptic physiology and plasticity. In Andreas Lüthi's team at the FMI, he analysed various forms of long term synaptic plasticity at the excitatory entries to the lateral nucleus of the amygdala (LA).

At the INCI in Strasbourg, Dr. Humeau continues to use combined electrophysiology / 2-photon imaging technique to

determine the synaptic deficits linked to mental retardation or autism.

#### **Béatrice Tézier HERMAN**



Béatrice Tézier Herman received a Master Degree in mineral chemistry and biochemistry at the University of Paris, and also graduated from the International Patent Law School (CEIPI) in Strasbourg. She is a registered French Patent Counsel, Member of the French Patent Attorney Organization (CNCPI) and an authorized European Patent and Trademark Attorney. She is

currently working in the Cabinet Becker et associé in Paris.

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#### A little about Strasbourg

Strasbourg, the 7th largest city in France, capital of the Low Rhine region, is the intellectual and economic capital of Alsace. It is ideally situated at the heart of international communications, which along with its rich history ensures its exceptional importance. It was therefore natural that Strasbourg was chosen as the home of European institutions.

The historical Strasbourg is home to the magnificent Gothic cathedral, the Palais Rohan, the Covered Bridges as well as many other sites. Along with this unique set of monuments are banks, bridges, squares and alleys, all filled with history and culture. Strasbourg is also a green city, which conceals, at the very heart of the city, islets of greenery (the park of the 'Orangerie').

#### The Cathedral of Strasbourg



Visible kilometres afar, landmark and axis around which the city organizes itself, the cathedral dominates Strasbourg with its splendour. The ornaments were carved with unequalled grace and lightness.

Around the Cathedral you can discover the 'Maison Kammerzell' the most beautiful house of Strasbourg, which throughout the centuries has belonged to rich merchants.

#### The 'Petite France'



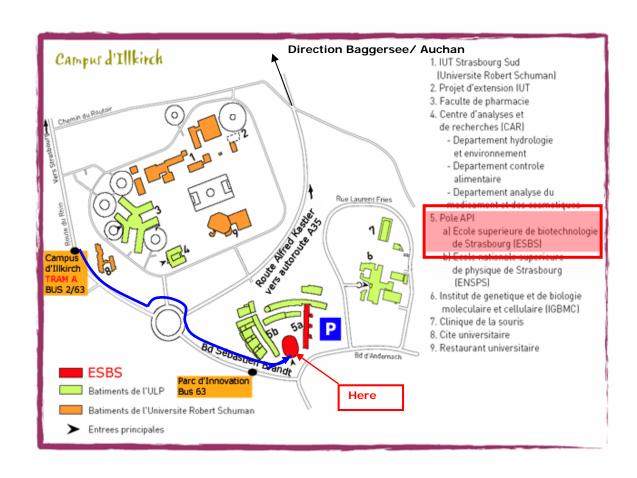
It is the most picturesque district of old Strasbourg. Previously the fishers', millers' and tanners' district, it is a haven of peace at the heart of the city. The alleys of the Petite France offer a succession of half-timbered houses from the XVI and XVII century, with vast interior courts, large sloped roofs, and open attic areas where the pelts were once dried (the 'Maison des Tanneurs'). Nowadays this district is reputed for its typical Alsatian restaurants.

The Alsatian gastronomy is especially known for its sauerkraut, but also for its onion pie, baeckeoffe, tarte flambée, spaetzle, Munster cheese, and kougelhopf. Something especially unique is that beer and wine cohabit harmoniously in this region, reaching summits of quality. To judge for yourself, there is nothing better than spending an evening in a winstub, where the ambiance that reigns there, corresponds very well to the sociable temperament of Strasbourg.



# How to get to the ESBS

The ESBS is located in the 'Pole API', Boulevard Sebastien Brandt in Illkirch.



### FROM the City CENTRE

Take the Tramway A (direction "Illkirch-Graffenstaden") until the station "Campus d'Illkirch". Then you have to walk through a parking lot and go straight ahead until you reach the roundabout. Cross the road once, then a second time around the roundabout (see map). The next road on your left is the "boulevard Sebastien Brandt". After walking a few minutes, the entry of the ESBS will be on your left. Follow the blue line and you can't miss the ESBS. The trip form the Railway station to the ESBS will take you about 40 minutes.



# **YEBN AM 2006 Organization Committee**

# We wish you a fruitful event and a nice stay in Strasbourg! Thanks for your participation!









Christof Fellmann, Chairman FBN, Chairman YEBN France Niccoló Iorno, Vice-Chairman FBN, Meeting Officer YEBN EB Aurélie Gouot, Executive Officer, Secretary FBN Hans-Anton Keserue, Executive Officer, Webmaster

Karim Mazjoub, Simon Braun, Stefanie Müller, Julie Papillon, Markus Michael Müller, Marie Besse, Caroline Ferrari, Julian Jaros, Cora Kaiser, Mathieu Wagner, Anastaya Masharina *ESBS Strasbourg* 

Guillaume Liard, Debora Keller (*UCSF*), Andreas Friese (*FMI Basel*), Sascha Dodenhöft (*Visionapp GmbH*)

