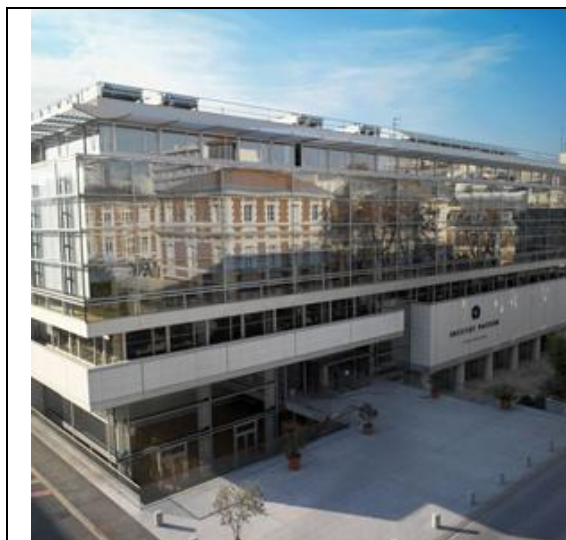


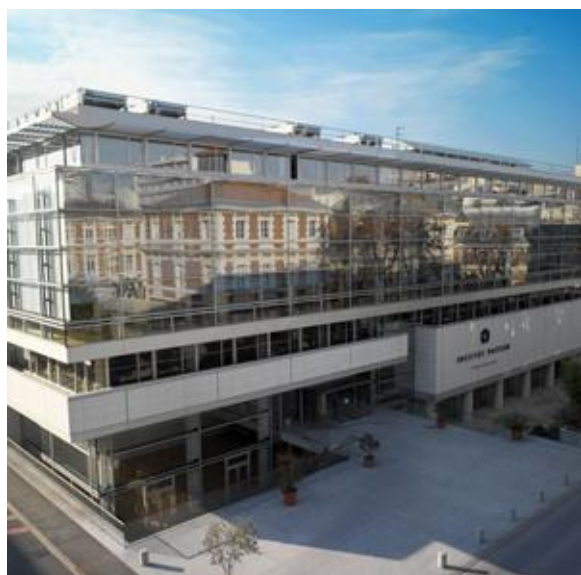
**Research Networking Programme on
The Functional genomics in *Aspergillus fumigatus* and new
strategies to fight against the first fungal pathogen in
Europe (Fuminomics)**

**Third Annual Meeting
Cell Biology and Biochemistry
Institut Pasteur, Paris, France
October 7-8, 2010**



*BCG conference room, Bâtiment Calmette
Institut Pasteur - 25, rue du Docteur Roux - 75015 Paris
Contact tel. Jean-Paul Latgé +33 (0)1 4061 3518*

| Thursday October 7 th , 2010 | | |
|---|--|---|
| 9:00- 9:15 am | Introduction | <i>Jean-Paul Latgé</i> |
| | Biochemistry (chair: Javier Arroyo) | |
| 9:15 – 9:45 am | O-Mannosyltransferases | <i>Isabelle Mouyna</i> |
| 9:45 – 10:15 am | MAP kinase signalling pathways in the human-pathogenic fungus <i>Aspergillus fumigatus</i> | <i>Vito Valiante</i> |
| 10:15 – 10:45 am | GliT, a component of the gliotoxin biosynthetic cluster, protects <i>Aspergillus fumigatus</i> against exogenous gliotoxin | <i>Markus Shrettl</i> |
| 10:45 – 11:00 am | <i>Coffee break</i> | |
| 11:00 – 11:30 am | Recent insights into the sexual cycle of <i>A. fumigatus</i> | <i>Edyta Szewczyk</i> |
| 11:30 – 12:00 pm | Cell wall of <i>Aspergillus fumigatus</i> | <i>Vishukumar Aimanianda</i> |
| 12:00– 1:00 pm | Steering Committee meeting | <i>Nathalie Spielewoy (ESF) and Steer. Com. members</i> |
| 1:00 – 2:30 pm | <i>Lunch break</i> | |
| | Biochemistry cont'd (chair: Elaine Bignell) | |
| 2:30 – 3:00 pm | <i>Aspergillus fumigatus</i> and Cystic Fibrosis: From clinical features to molecular approaches - Focus on antifungal therapies | <i>Emilie Fréalle</i> |
| 3:00 – 3:30 pm | Effects of a bacterial metabolite on function in yeast and filamentous fungi | <i>Danielle Troppens</i> |
| 3:30 – 4:00 pm | Identification of novel antifungal cell-wall disrupting compounds | <i>Gabriel Mircus</i> |
| 4:00– 4:30pm | Azole induced efflux pump expression in <i>Aspergillus fumigatus</i> biofilms | <i>Ranjith Rajendran</i> |
| 4:30 –5:00 pm | <i>Coffee break</i> | |
| | System Biology in Af (chair: Jean-Paul Latgé) | |
| 5:00-5:15 pm | Status of the Transcriptome | <i>Jean-Marie François</i> |
| 5:15-5:30 pm | Status of the Proteome | <i>Olaf Knienmeyer</i> |
| 5:30-5:45 pm | Status of the Deletion programme | <i>Guilhem Janbon</i> |
| 08:00 pm | <i>Dinner</i> | |



**Research Networking Programme on
The Functional genomics in *Aspergillus fumigatus* and
new strategies to fight against the first fungal pathogen
in Europe (Fuminomics)**

**Third Annual Meeting
Cell Biology and Biochemistry
Institut Pasteur, Paris, France
October 7-8, 2010**

*BCG conference room, Bâtiment Calmette
Institut Pasteur - 25, rue du Docteur Roux - 75015 Paris
Contact tel. Jean-Paul Latgé +33 (0)1 4061 3518*

| Friday October 8 th , 2010 | | |
|---------------------------------------|---|---|
| | Cell Biology and Infection (<i>chair: Axel Brakhage</i>) | |
| 09:00 – 10:00 am | Cellular dynamics in the fungal cell- from measuring to modeling" | <i>Gero Steinberg, University of Exeter, UK</i> |
| 10:00 – 10:30 am | Developing atomic force microscopy for Biology | <i>Etienne Dague</i> |
| 10:30 – 11:00 am | <i>Coffee Break</i> | |
| 11:00 – 11:30 am | Functional analysis of DPR proteins in <i>Af</i> | <i>Joanne Wong Sak Hoi</i> |
| 11:30 – 12:00 | An update on Systematic deletion of <i>A. fumigatus</i> gene clusters | <i>Laura Alcazar-Fuoli</i> |
| 12:30 – 2:00 pm | <i>Lunch break</i> | |
| | Cell Biology and Infection (<i>chair: Hubertus Haas</i>) | |
| 02:00 – 02:30 pm | Response of human dendritic cells to mycelial <i>Aspergillus fumigatus</i> catalase | <i>Michael Ok</i> |
| 02:30 – 03:00 pm | NET | <i>Axel Brakhage</i> |
| 03:00 – 03:30 pm | Monitoring of experimental <i>Aspergillus fumigatus</i> infection through detection of fungal nucleic acids | <i>Oliver Morton</i> |
| 03:30 – 04:00 pm | A new experimental model designed to evaluate the antifungal effect of UVC radiation against some strains of <i>Aspergillus fumigatus</i> | <i>Luminita-Iuliana Ailincai</i> |
| 04:00 – 04:30 pm | Pathosystematic analysis of aspergillosis caused by genetically intact, and <i>LaeA</i> methylase-deficient, clinical isolates | <i>Charlie Cairns</i> |
| 04:30 – 05:00 am | <i>Coffee Break</i> | |
| 05:00 – 05:30 pm | Final Discussion, next meeting,... chaired by the Steering Committee | <i>Steering committee members</i> |

Third Annual Meeting
Cell Biology and Biochemistry
Institut Pasteur, Paris, France
October 7-8, 2010

The third ESF Fuminomics annual meeting to be held in October 2010 is organized by Partner 1 and Chairman of the programme at the Institut Pasteur, Paris, France. The meeting will gather young and senior scientists belonging to the 17 laboratories/Partners and will allow them to present their results, discuss together and exchange about their recent studies on *Aspergillus fumigatus*. This year, the presentations and discussions will be focused on Biochemistry and Cell Biology. Both disciplines are necessary to elucidate proteins function, understand their role during host infection and identify and characterize novel antifungal targets. The first day will be focused on the recent biochemical data about *Af* multi-proteic processes essential for fungal growth: O-Mannosyltransferases as new putative targets for antifungals, MAP kinase signalling pathways, gliotoxin cluster, proteins associated to the sexual cycle of *Af*. The Biochemistry session will be pursued by four presentations showing new approaches for antifungal therapies. During the second day, recent tools for cell biology and functional analysis will be presented. Various imaging technologies and their application to monitor cell biology during infection by the pathogenic fungus will be detailed. Development of new imaging technologies will also be discussed.

On Day 1, a one-hour discussion is scheduled with the Steering Committee members and Mrs Nathalie Spielwoy, ESF Science Officer.

| Title | Surname | First name | Institution | Dpt | City | Country | Dinner 6th |
|-------------|-----------------------|----------------|--|--|----------------|---------|------------|
| Dr. | Spielewoy | Nathalie | ESF | | Strasbourg | France | 0 |
| Prof. | Haas | Hubertus | Innsbruck Medical University | Division of Molecular Biology/Biocenter | Innsbruck | Austria | 1 |
| PhD student | Shrettl | Markus | Innsbruck Medical University | Division of Molecular Biology/Biocenter | Innsbruck | Austria | 1 |
| Prof. | François | Jean-Marie | INSA | Biochips Platform | Toulouse | France | 1 |
| Dr | Dague | Etienne | INSA | Biochips Platform | Toulouse | France | 0 |
| PhD student | Frealle | Emilie | CHRU Faculté de Médecine de Lille | Laboratoire de Parasitologie-Mycologie | Lille cedex | France | 0 |
| Dr | Ruprich-Robert | Gwenaël | Université Paris Descartes | Faculté des Sciences Pharmaceutiques et Biologiques de Paris | PARIS Cedex 06 | France | 0 |
| Prof. | Latgé | J-Paul | Institut Pasteur | Aspergillus Unit | Paris | France | 1 |
| Dr | Mouyna | Isabelle | Institut Pasteur | Aspergillus Unit | Paris | France | 1 |
| Dr | Janbon | Guilhem | Institut Pasteur | Aspergillus Unit | Paris | France | 1 |
| Dr | Wong Sak Hoi | Joanne | Institut Pasteur | Aspergillus Unit | Paris | France | 1 |
| Dr | Aimanianda | Vishukumar | Institut Pasteur | Aspergillus Unit | Paris | France | 1 |
| Dr | Brakhage | Axel | Hans-Knoell-Institute | Depmt Molecular and Applied Microbiology | Jena | Germany | 1 |
| PhD student | Kniemeyer | Olaf | Hans-Knoell-Institute | Depmt Molecular and Applied Microbiology | Jena | Germany | 1 |
| Dr | Valiante | Vito | Hans-Knoell-Institute | Depmt Molecular and Applied Microbiology | Jena | Germany | 1 |
| Dr | Loeffler | Juergen | University Medical Center Würzburg | Department of Internal Medicine II Gebäude C1 | Würzburg | Germany | 1 |
| PhD student | OK | Michael | University Medical Center Würzburg | Department of Internal Medicine II Gebäude C1 | Würzburg | Germany | 1 |
| Dr | Krappmann | Sven | University of Würzburg | Research Center for Infectious Diseases | Würzburg | Germany | 1 |
| Post-doc | Szewczyk | Edyta | University of Würzburg | Research Center for Infectious Diseases | Würzburg | Germany | 1 |
| Prof. | Müller | Franck-Michael | University of Heidelberg | Dept of Pediatrics III | Heidelberg | Germany | 1 |
| Dr | Morrissey | John | University College of Cork | Department of Microbiology | Cork | Ireland | 1 |
| PhD student | Troppens | Danielle | University College of Cork | Department of Microbiology | Cork | Ireland | 1 |
| Prof. | Rogers | Tom | Trinity College Dublin | Department of Clinical Microbiology | Dublin | Ireland | 1 |
| Dr | Morton | Oliver | Trinity College Dublin | Department of Clinical Microbiology | Dublin | Ireland | 1 |
| Dr. | Oshero | Nir | Tel Aviv University | Department of Human Microbiology | Tel Aviv | Israel | 1 |
| PhD student | Mircus | Gabriel | Tel Aviv University , Sackler School of Medicine | Department of Human Microbiology | Tel Aviv | Israel | 1 |

