

The immune system is evolved to protect our body against a variety of infectious agents which can cause serious and often fatal diseases. We now appreciate that the immune system is also involved in surveillance of malignant transformation of normal cells that constitute our body, as well as rejection of transplanted organs. Dysregulation of immune responses results in unwanted outcomes such as allergy, autoimmunity and other inflammatory disorders. Modern immunology using newly developed technology, including establishment of monoclonal antibodies, long-term cell culture systems, recombinant DNA/RNA techniques, creation of genetically engineered (transgenic and knock-out) mice and rats, has greatly advanced our understanding of basic mechanisms underlying immune responses in a variety of physiological and pathological settings. Of note, some of such critical findings in laboratory animals are now clinically applied:

monoclonal antibodies specific to proinflammatory cytokines and cell surface signaling molecules or their receptors are successfully used to treat human disorders such as rheumatoid arthritis and inflammatory bowel disease.

This conference is intended to provide academic environment in which young researchers readily meet distinguished front-runners in the field of basic and clinical immunology to discuss the frontline of immunological research and its clinical application. We believe this helps to construct a new collaborative network of young and senior researchers with different backgrounds and interests, and promote closer interaction between the bench and the clinic.

RESEARCH CONFERENCES

ESF-JSPS Frontier Science Conference for Young Researchers

Cutting Edge Immunology and its Clinical Application

Hotel Golden Tulip de Beyaerd, Hulshort • The Netherlands

1-6 March 2011

Chairs: • **Åke Lernmark** - Department of Clinical Sciences, Lund University and CRC, Lund, SE • **Kazuo Sugamura** - President of Miyagi Cancer Center Research Institute, JP • **Hajime Karasuyama** - Department of Immune Regulation, Tokyo Medical and Dental University Graduate School, JP



@ Portrait du Père Tanguy, Vincent VAN GOGH, P. 7302, huile sur toile - 92 x 73 cm, provenance: Musée Rodin, Paris

Provisional list of invited speakers (TBC - to be confirmed)

- **Jean-François Bach** - INSERM/Hôpital Necker, FR • **Ana Cumano** - Pasteur Inst., FR
- **Sidonia Fagarasan** - RIKEN-RCMI, JP • **Klas Kärre** ^{TBC} - MTC, Karolinska Inst., SE
- **Yoshinori Fukui** - Kyushu U., JP • **Toshio Hirano** - Graduate Sch. of Medicine, Osaka U., JP • **Tadamitsu Kishimoto** - Graduate Sch. of Frontier Biosciences, Osaka U., JP
- **Hiroshi Kiyono** - IMS, Tokyo U., JP • **Bart Lambrecht** - U. Ghent, BE
- **Antonio Lanzavecchia** - IRB Bellinzona, CH • **Toshiaki Ohteki** - Tokyo Medical and Dental U. Graduate Sch., JP • **Ed Palmer** - U. Hospital Basel, CH • **Fiona Powrie** ^{TBC} - Sir William Dunn Sch. of Pathology, Oxford U., UK • **Andreas Radbruch** - DRFZ, DE
- **Shimon Sakaguchi** - Inst. for Medical Sciences, Kyoto U. / WPI iFRc, Osaka U., JP
- **Yousuke Takahama** - IGR, Tokushima U., JP • **Kiyoshi Takeda** - Graduate Sch. of Medicine, Osaka U., JP • **Rudolf Valenta** - MUW, Vienna U., AT • **Eric Vivier** - Marseille U., FR • **Herman Waldmann** - Sir William Dunn Sch. of Pathology, Oxford U., UK
- **Maria Yazdanbakhsh** - LUMC Leiden, NL

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Closing date for applications: **5 November 2010**

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