



International Workshop on
Physics of Immunity: Complexity Approach

April 04 - 08, 2011

Scientific coordination:

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Immunological decisions are reached by processes that include not only molecular interactions within cells but also large populations of migrating, proliferating, differentiating, and interacting immunocompetent cells, thus comprising a wide range of temporal and spatial scales. In order to infer such complex processes from experimental observations, mathematical and statistical models have increasingly been used. However, synthesising models and immunological data poses ever new challenges.

The workshop aims at promoting interdisciplinary exchanges and debates in order to achieve a better understanding of complex immunological processes and to identify the most promising directions for future basic and applied research.

List of invited speakers (* to be confirmed):

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|--------------------------------|--------------------------------|-------------------------------------|
| B. Alarcón (Madrid, Spain)* | I. Cohen (Rehovot, IS) | G. Lythe (Leeds, UK) |
| G. Altan-Bonnet (New York, US) | S.M. Deev (Moscow, RU) | P. Maffia (Glasgow, UK) |
| E. Baake (Bielefeld, DE) | K. Duffy (Maynooth, IE) | R. Mehr (Ramat-Gan, IS) |
| R. Baumgrass (Berlin, DE) | D. Dunn-Walters (London, UK) | M. Meyer-Hermann (Braunschweig, DE) |
| H. van den Berg (Warwick, UK) | J. Faro (Vigo, Spain) | A. Neumann (Ramat-Gan, IS) |
| R. de Boer (Utrecht, NL) | V. Ganusov (Knoxville, US) | A. Radbruch (Berlin, DE) |
| J. Borghans (Utrecht, NL)* | T. Höfer (Heidelberg, DE) | R. Ribeiro (Los Alamos, US) |
| N. Burroughs (Warwick, UK) | P. Hodgkin (Victoria, AU) | B. Rocha (Paris, FR) |
| R. Callard (London, UK) | D. Iber (Basel, CH) | B. Seddon (Knoxville, US) |
| J. Carneiro (Oeiras, PT)* | S. Kleinstein (New Haven, US) | A. Yates (New York, US) |
| A. Chakraborty (Cambridge, US) | J.A. Lindquist (Magdeburg, DE) | |

Applications for participation and poster contributions are welcome and should be made by using the application form on the event's web page (please see URL below). The number of attendees is limited. The **registration fee** for the focus workshop is **120 €** and should be paid by all participants. Costs for accommodation and meals will be covered by the Max Planck Institute for the Physics of Complex Systems. Limited funding is available to partially cover travel expenses. Please note that childcare is available upon request.

Deadline for registration is November 15, 2010.

For further information please contact:

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