The ever increasing drive to develop new vaccine therapies and their associated adjuvantation and delivery systems has major implications for the design/formulation/stabilization/preservation of modern vaccines and immunization strategies. Following the successful MVAF meetings held in Prague and Dublin, the follow-up conference MVAF 2010 will offer an international forum for the discussion of all aspects of vaccine formulation and will focus on:

- PHARMACEUTICAL DEVELOPMENT OF VACCINES AND ADJUVANTS
- SAFETY ISSUES WITH SPECIAL EMPHASIS ON DELIVERY/ADMINISTRATION ISSUES
- NATIONAL AND INTERNATIONAL REGULATORY GUIDELINES

MVAF 2010 will then assess the impact of all of the above on the future development/design of vaccines and adjuvants.

Advisory Scientific Panel

Conference Chair: Martin Friede (WHO, Geneva, Switzerland)
Nathalie Garcon (GSK Biologicals, Belgium) · Debbie Drake (CSL, Australia) · Jean Haensler (Sanofi Pasteur, France)
Danuta Herzyk (Merck Research Laboratories, USA) · Manmohan Singh (Novartis Vaccines, USA)
Jan-Willem van der Laan (RIVM, The Netherlands) · Lakshmi Khandke (Wyeth, USA) · Jim Roberston (NIBSC, UK)
Bruce Wengier (CDC, USA) · Rob Lambkin-Williams (Retroscreen Virology, UK)
Gwyn Davies (St. George’s Hospital, London, UK) · Matthew Downham (Novartis Vaccines, Italy)
Greg Glenn (Intercell, USA) · Alan Shaw (VaxInnate, USA) · Niranjan Sardesai (Inovio, USA)
Gary Ott (Dynavax, USA) · Heather Davis (Pfizer Vaccines, Canada) · Geert van den Bossche (Gates Foundation, USA)
Steve Reed (IDRI, USA) · Fabien Bonhoure (SEPPIC, France) · Ulf Schroder (Eurocine AB, Sweden)

Closing date for poster submissions Friday 10th September 2010
Welcome and Opening Remarks

'Vaccines Formulation Introduction and Overview'
Martin Friede (WHO, Geneva, Switzerland)

SESSION 1: OPENING PLENARY SESSION
Moderator: Martin Friede (WHO, Geneva, Switzerland)

'HIV, CMV and Lyme disease: three vaccines for which adjuvants may be needed'
Stanley Plotkin
(University of Pennsylvania, Philadelphia, Pennsylvania, USA)

'A once in a lifetime opportunity: Adjuvanted neonatal vaccines for global health'
Ofer Levy
(Harvard Medical School, Cambridge, Massachusetts, USA)

'Veaccine adjuvants – the current scene and where next for immunopotentiation?'
Nathalie Garcon (GSK Biologicals, Rixensart, Belgium)

SESSION 2: PLENARY SESSION
Moderator: Heather Davis
(Pfizer Vaccine Research, Ottawa, Canada)

'(T-)HELP for vaccines in need'
Geert Vanden Bossche
(Bill & Melinda Gates Foundation, Seattle, Washington, USA)

'From empirical to rational vaccine/adjuvant design'
Sefik Alkan
(Alkan Consulting LLC, Basel, Switzerland)

'Modern vaccines/adjuvants: determinants of antigenicity'
Virgil Schijns
(Crossbeta Biosciences, Utrecht, The Netherlands)

SESSION 3: IMMUNOSTIMULATORY ACTIVITY, ISCOMS & IMMUNE RESPONSES
Moderator: Virgil Schijns
(Crossbeta Biosciences, Utrecht, The Netherlands)

'SThe novel immunomodulator MMG enhances stability and immunogenicity of DDA liposomes'
Karen Smith Korsholm
(Statens Serum Institut, Copenhagen, Denmark)

'Immune adjuvant activity of novel oligonucleotide sequences'
Nigel Philips, M. Lehoux and M.C. Filion
(Bioniche, Montreal, Quebec, Canada)

'Immune stimulatory properties of Matrix-M adjuvant'
Karim Lovgren Bengtsson
(Isconova AB, Uppsala, Sweden)

'Wittycell compounds : Innovative vaccine adjuvants for induction of cellular immunity'
Vincent Serra
(Wittycell, Reims, France)

SESSION 4: SAFETY, TESTING, TOXICOLOGY, REGULATION
Moderator: Martin Friede (WHO, Geneva, Switzerland)

'Preclinical safety evaluation of adjuvants'
Martin Friede (WHO, Geneva, Switzerland)

'Vaccine development preclinical/toxicology testing'
Adam Woolley (ForthTox Ltd, Linlithgow, Scotland, UK)

'Strategies for the non-clinical safety assessment of vaccines'
Danuta Herzyk
(Merck Research Laboratories, West Point, Pennsylvania, USA)

'Alum adjuvant, uric acid and inflammasome : crucial breakthrough or still a dirty little secret ?'
Bart Lambrecht (University of Ghent, Belgium)

'Scientific and regulatory considerations in analytical methods and formulation during development of adjuvanted vaccines'
Rajesh K. Gupta (CBER, FDA, USA)

'Regulatory issues relating vaccines and adjuvants formulation issues'
Brijesh Patel
(Medicines and Healthcare Products Regulatory Agency, London, UK)

Welcome Reception & MVAF 2010 Poster Session

Poster Papers

Late poster paper submissions are invited and prospective authors should submit a one page abstract of their poster(s) to the Conference organizers (Meetings Management) for consideration. Please send your poster for the attention of John Herriot (E-mail: jherriot@meetingsmgmt.u-net.com) at Meetings Management.

Late poster abstracts should be submitted by Friday 10th September 2010.
SESSION 5: VACCINE DELIVERY METHODS & SYSTEMS
Moderator: Manmohan Singh
(Novartis Vaccines, Cambridge, Massachusetts, USA)

‘Update on alternative vaccine delivery systems’
Bruce C. Weniger (CDC, Atlanta, Georgia, USA)

‘Target tissue responses to antigens and adjuvants: the peripheral immune synapse’
Greg Glenn (Intercell USA, Gaithersburg, Maryland, USA)

‘Self-adjuvanting nanoparticles as a vaccine platform for presentation of malaria CD4 and CD8 antigenic peptides’
David Lanar (WRAIR, Silver Spring, Maryland, USA)

‘Surface-modified PLGA microspheres and liposome in situ gelling system: Novel carrier based vaccine adjuvant for intranasal delivery of recombinant hepatitis B vaccine’
K.S. Jaganathan and D.S.V. Raman Rao (Shantha Biotechnics Ltd, Hyderabad, India)

‘A novel synthetic mucosal vaccine system and its clinical applications’
Susan Szathmary, Laszlo Stipkovits, Brandon J. Price and David R. Nau, (Galen Bio, San Diego, California, USA)

‘Enhanced immune responses to DNA vaccines delivered with electroporation’
Claire Evans (ICHOR Medical Systems Inc., San Diego, California, USA)

Coffee Break & Posters

SESSION 6: TLR AGONISTS
Moderator: Geert Vanden Bossche
(Bill & Melinda Gates Foundation, Seattle, Washington, USA)

‘Choosing the right TLR ligand for the desired antibody isotype’
Martin Bachmann (Cytos Biotechnology, Zurich, Switzerland)

‘Optimizing delivery of TLR agonists to enhance vaccine potency’
Manmohan Singh (Novartis Vaccines, Cambridge, Massachusetts, USA)

‘Immunotherapeutic applications of agonists stimulating TLRs recognizing nucleic acids’
Jorg Vollmer (Coley Pharmaceutical GmbH, Dusseldorf, Germany)

‘Small molecule toll-like receptor (TLR) 7/8 agonists as vaccine adjuvants’
Mark A. Tomai, Jim Elvecrog and Kris J. Hansen (3M Drug Delivery Systems, St. Paul, Minnesota, USA)

‘Fate of TLR-2 agonist functionalized pDNA nanocarriers upon deposition in the respiratory tract’
Simon Heuking, Barbara Rothen-Rutishauser, Peter Gehr and Gerrit Borchard (University of Geneva-Lausanne, Switzerland)

Lunch Break & Posters

SESSION 7: VACCINES ADJUVANTS FORMULATION
Moderator: Greg Glenn
(Intercell USA, Gaithersburg, Maryland, USA)

‘Sanofi Pasteur’s AFOX adjuvant formulation’
Jean Haesler (Sanofi Pasteur, Lyon, France)

‘Formulations for mucosal delivery of vaccines and microbicides’
Dexiang Chen (PATH, Seattle, Washington, USA)

‘Nanotechnology to improve the stability and biological activity of DNA vaccines’
Julianna Lisziewicz, Eniko R. Toke, Orsolya Lorincz, Eszter Somogyi and Franco Lori (Genetic Immunity, Budapest, Hungary)

‘Overcoming bacterial retention and capacity challenges in adjuvant filtration’
Christina Carabrello and Chase Duclos Orsello (Millipore Corporation, Frasnes-lez-Buisenval, Belgium)

‘Formulation of HPV E6 and E7 DNA vaccines for cervical cancer: Enhanced immunogenicity and clinical considerations’
Niranjan Sardesai (Inovio Inc, San Diego, California, USA)

‘Characterisation of an oily adjuvant formulation’
Fabien Bonhoure (SEPPIC, Paris, France)

Tea Break & Posters

SESSION 8: TRANSDERMAL DELIVERY & NASAL IMMUNIZATION
Moderator: Bruce C. Weniger (CDC, Atlanta, Georgia, USA)

‘Nanopatches for targeted vaccine delivery to skin: direct, pain-free delivery to APCs for improved vaccines and removal of the cold-chain’
Mark Kendall (The University of Queensland, Australia)

‘Transdermal delivery of high volume vaccines through a hollow microneedle device’
Kris Hansen, Mark Tomai and Tim Peterson (3M Drug Delivery Systems, St. Paul, Minnesota, USA)

‘Development and validation of a lymph node–targeting medical device (DermaPrep) for vaccine administration’
Julianna Lisziewicz, Gabriella Felfoldi, Eszter Natz, Eniko R. Toke and Franco Lori (Genetic Immunity, Budapest, Hungary)

‘Nasal vaccination: An update’
Ulf Schroder (Eurocine AB, Stockholm, Sweden)

‘FluGEM: An intranasal vaccine in the protection against influenza’
Maarten van Rooijen (Mucosis BV, Groningen, The Netherlands)

‘ISCOMs incorporated influenza virus antigens and purified saponins GG-6 and AH-6 isolated from Aesculus hippocastanum and Glycyrrhiza glabra plants as an effective delivery system for nasal immunization’
SESSION 9: VIRAL CHALLENGE & INFLUENZA  
Moderator: Debbie Drane (CSL Ltd, Melbourne, Australia)

‘Human viral challenge studies: Evaluating vaccine efficacy when correlates of protection are unknown’
Rob Lambkin-Williams (Retroscreen Virology Ltd, London, UK)

‘Low doses of AF03-adjuvanted pandemic influenza A/H5N1 and A/H1N1 vaccines protect ferrets against infection after homologous and heterologous viral challenge’
Fabienne Piras, Catherine Caillet, Marie-Clotilde Bernard, Frederick R. Vogel and Inca Kusters (Sanofi Pasteur, Marcy l’Etoile, France)

‘Improving the performance of influenza vaccines for the elderly’
Alan Shaw (Vaxinnate Inc., Cranbury, New Jersey, USA)

‘Efficacy and broadly reactive immunity directed against seasonal and pandemic strains of influenza using Variosite and NAM1 technologies’
David E. Anderson (Variation Biotechnologies Inc., Ottawa, Ontario, Canada)

SESSION 10: VETERINARY VACCINATION & ADJUVANTS
Moderator: to be confirmed

‘Use of adjuvanted vaccines in veterinary medicine: What can we learn?’
Sven Arnouts (University of Ghent, Belgium)

‘Vaccination with Type III secreted proteins leads to decreased shedding in calves following experimental infection with Escherchia coli O157’
Dragan Rogan, Kevin J. Allen, B. Brett Finlay, Andrew A. Potter and David J. Asper (Bioniche Animal Health, Belleville, Ontario, Canada)

‘Oral β Glucans modulate systemic antigen responses in dogs and pigs’
Edith Stuyven, S. Arnouts, B.M. Goddeeris and Eric Cox (University of Ghent, Belgium)

SESSION 11: ADJUVANT/VACCINE DEVELOPMENT
Moderator: Jean Haesler (Sanofi Pasteur, Lyon, France)

‘Mimicking in vivo adjuvanted vaccine activity in a test tube’
William Warren (Vaxdesign Inc., Orlando, Florida, USA)

‘Development of a preclinical model to predict reactogenicity of adjuvants in humans’
Jan ter Meulen (Merck Research Laboratories, West Point, Pennsylvania, USA)

‘Preclinical considerations for modern vaccine development to enter the clinic’
Matthew Downham (Novartis Vaccines & Diagnostics, Siena, Italy)

‘ISCOMATRIX ® adjuvant has the features required for therapeutic vaccines’
Nick Wilson (CSL Ltd, Melbourne, Australia)

SESSION 12: SPECIAL SESSION: ‘Physico-Chemical Characterization of Adjuvants’
Moderator: Martin Friede (WHO, Geneva, Switzerland)

Presentations in this special session will be confirmed in the final programme.

SESSION 13: CLOSING PLENARY SESSION
Moderator: Martin Friede (WHO, Geneva, Switzerland)

Closing Blue Sky Lecture: Title to be confirmed
Alex von Gabain (Intercell AG, Vienna, Austria)

Table Top Exhibition

Table top exhibition space is available at MVAF 2010. Exhibitors can showcase their products/literature or services by reserving a table top exhibit (or exhibit their own display boards) during the conference.

To reserve your table top/display space at MVAF 2010 please use the relevant section in the Delegate Registration Form at the back of this brochure.
Poster Papers

Late poster paper submissions are invited and prospective authors should submit a one page abstract of their poster(s) to the Conference organizers (Meetings Management) for consideration. Please send your poster for the attention of John Herriot (E-mail: jherriot@meetingsmgmt.u-net.com) at Meetings Management.

Late poster abstracts should be submitted by Friday 10th September 2010.

Sponsors

The MVAF 2010 Advisory Scientific Panel and the organizers would like to acknowledge the support of the following sponsors:
REGISTRATION

Delegates should register for MVAF 2010 by completing the form provided on the back page of this brochure. The completed Conference Registration Form plus payment (payment in £ Pounds Sterling) should be sent to the MVAF 2010 Conference Manager – Caroline Sumner at Meetings Management. The MVAF 2010 Conference Registration Desk will be open from 8.00am on Monday 12th November 2010. **Delegates can also register securely on-line at:** [www.meetingsmanagement.com/mvaf_2010](http://www.meetingsmanagement.com/mvaf_2010)

VENUE & ACCOMMODATION

Accommodation for MVAF 2010 delegates has been arranged at

**THE NOVOTEL CANNES MONFLEURY (Conference Venue)**

25 Avenue Beausejour
06400 Cannes,
France

Tel: +33 493688686 Fax: +33 493688787

Email: veronique.page@accor.com

Single: 119 Euros  Double: 139 Euros  
Superior Single: 139 Euros  Superior Double: 159 Euros

The organizers have negotiated special discounted accommodation rates for MVAF 2010 delegates at the hotel. Please use the Accommodation Booking Form provided in this brochure to qualify for the special rates.

PUBLICATION

A CD ROM of final programme and abstracts of all presentations, oral and poster, will be distributed to delegates when they register at the conference.

TABLE TOP EXHIBITION

Table Top Exhibition space is available at the meeting. Exhibitors can showcase their products or services by reserving a table top exhibit. The exhibit area will be located adjacent to the main conference area where all refreshments breaks will be taken to ensure maximum traffic of conference delegates. If you are registering for the conference, you can reserve a table for £995. 

If you do not wish to attend the conference sessions, you can reserve a table for £1995 (includes admission to all meals/ receptions by one company representative).

**PLEASE NOTE:** If you wish to have additional representatives on your table top exhibit there will be an additional charge for catering levied per head. Please contact the Conference Manager for this additional price. Please make your bookings and payment using the relevant section on the Delegates Registration Form on the back page of this brochure. All general enquiries regarding Table Top Exhibition facilities at MVAF 2010 should be directed to John Herriot at Meetings Management (E-mail: jherriot@meetingsmgmt.u-net.com)

DELEGATE PACK INSERT SERVICE

Company literature/brochures/conference brochures may be distributed to delegates as part of the documentation issued on arrival/registration. One insertion in the MVAF 2010 delegate pack is priced at £450. Please make your booking and payment using the relevant section on the Delegates Registration Form on the back page of this brochure. All general enquiries regarding Delegate Pack Insertion services at MVAF 2010 should be directed to John Herriot at Meetings Management (E-mail: jherriot@meetingsmgmt.u-net.com)

**PLEASE NOTE:** Literature for distribution to MVAF 2010 delegates is subject to approval by the conference organizers.

INSURANCE & CANCELLATION

The organizers cannot be held responsible for any personal accident or damage to their private property of participants at MVAF 2010. The organizers strongly urge participants to ensure they have adequate travel and personal insurance cover before they depart for the conference. The organizers cannot be held liable for any costs incurred should the conference be cancelled for any reason. Maximum notice of cancellation will be given by the organizers to all pre-registered delegates.

PROGRAMME

The MVAF 2010 Advisory Scientific Panel and the MVAF 2010 Conference Organizers reserve the right to alter any part of the published conference programme if this is necessitated by any circumstances outside their control. All efforts will be made to keep any such changes to a minimum. The programme published in the brochure was correct at the time of going to press.

CANNOT ATTEND?

If you and your colleagues are unable to attend the conference, the conference materials (abstract booklet, speaker handouts, late abstracts, attendee list, pack materials and literature) are available for purchase. While not intended as a substitute for actual attendance, these materials would at least provide a documentary record of the event and allow you to keep you or your organization’s library up to date. The cost of providing this non-attendee package is £395 (including postage and packing). To order this package from Meetings Management please use the relevant section in the Delegates Registration Form on the back page of this brochure.

ANY QUESTIONS?

For further information and assistance, please contact: Caroline Sumner MVAF 2010 Conference Manager (details below).
Hotel Accommodation Form for MVAF 2010

To make your hotel reservation please fax or mail the completed form to the RESERVATIONS DEPARTMENT (this form must be used to qualify for the special conference rate at the hotel venue) for the attention of Veronique Page. Please quote MVAF 2010 Conference in any communications. The MVAF 2010 sessions will take place in the Hotel.

**HOTEL:**
NOVOTEL CANNES MONTFLEURY
25 AVENUE BEAUSEJOUR
06400 CANNES, FRANCE
Tel: +33 493688686    Fax: +33 493688787
E-mail: veronique.page@accor.com

- Single: 119 Euros
- Double/Twin: 139 Euros
- Superior Single: 139 Euros
- Superior Double/Twin: 159 Euros

Rates above are per room per night, inclusive of breakfast, VAT and service charge.

Important: Hotel reservations and arrangements are the sole responsibility of the delegate. Rooms have been reserved specifically for MVAF 2010 at discounted rates. To benefit from the special conference room rates please make all necessary reservations before the cut off date of 12th September 2010. After this date rooms will be subject to availability. If your travel dates should change after this form has been submitted, please notify the hotel immediately.

Prepayment of the first night's accommodation will be required from delegates at the time of booking. This payment is non-refundable.

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MVAF 2010 13-15th October 2010, Cannes, France – Delegate Registration Form

Please tick appropriate boxes and write clearly in BLOCK CAPITALS or type.

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Special diet (please state requirements): .................................................................

(Delegates, please advise the conference office if you expect to be away during the period immediately prior to the conference and provide a forwarding address).

Registration Fees

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<th>Speaker/Delegate Registration Fees: (NOTE THAT FEES ARE IN UK £ STERLING)</th>
<th>DELEGATE REGISTRATION FORMS NOT DULY &amp; FULLY COMPLETED WILL NOT BE VALID</th>
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<td>□ Speaker Registration (submitted oral/poster papers)  £595.00</td>
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For those Unable to Attend

| □ Set(s) of MVAF 2010 materials @ £395.00 (per set) | £                                                                              |

Total Amount Payable  £

Registration fees include admission to all conference sessions, morning and afternoon refreshments and lunches on 13th, 14th and 15th October 2010 and the Welcome Reception.

Payment

□ I enclose a cheque for £ ............ made payable to Meetings Management. (Delegates registering from outside the UK must ensure that cheques are drawn on a London Bank. Please quote MVAF 2010 on the reverse of the cheque.)

□ I have paid £ ............ by bank transfer. Send to Barclays Business Centre, Guildford Branch, PO Box 33, Guildford, Surrey GU1 3AN, UK. Collection account number: Meetings Management 0040614335, sorting code 20-35-35, IBAN Number: GB02BARC20-35-35 40614335. Delegates wishing to pay in Euros can transfer funds to account: Meetings Management 59179600, Bank Swift Address: BARCGB22, IBAN Number: GB91BARC20-35-35 59179600.

Please quote participants name on the transfer slip and MVAF 2010. All transfer charges must be paid by the sender. Delegates paying by this method are requested to send the Conference Manager a copy of the bank transfer. Payments made by bank transfer must have £15.00 added to the total. PLEASE NOTE THAT IT WILL NOT BE POSSIBLE TO PAY REGISTRATION FEES BY BANK TRANSFER AFTER FRIDAY 3RD SEPTEMBER 2010. LATE PAYMENT AFTER 3RD SEPTEMBER 2010 MUST BE MADE BY CREDIT CARD (VISA/MASTERCARD).

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