Gene-Based Vaccines have been rapidly emerging over the past two decades. Gene-based vaccines use various biological expression vectors, ranging from simple plasmids to modified viral or bacterial vectors, to deliver the genes of protective antigens to the targeted recipients. The final in vivo production of antigen is closely linked to the elicitation of a unique set of immune responses that are different from those elicited by traditional vaccines. While gene based vaccines have advanced from animal models to human clinical studies, the true understanding of the mechanism, efficacy, safety profile, and practical use of gene based vaccines has just begun. The inauguration of the International Symposium on Gene-Based Vaccines (GBV 2010) will assemble the world’s experts to review the progress and map out the future direction of this exciting new field in modern vaccinology.

GBV 2010 is the natural evolution from the successful DNA VACCINES meetings held in 2002 in Edinburgh, 2004 in Monte Carlo and 2007 in Malaga, Spain. GENE-BASED VACCINES 2010 will be a major opportunity for leading researchers to gather and report on the latest cutting edge research currently being undertaken in the progressive field of Gene-Based Vaccines.

The following scientific areas will be addressed at GBV 2010:
- DNA vaccines
- RNA vaccines
- Electroporation
- Adenovirus vector vaccines
- Poxvirus vector vaccines
- Alphavirus vector vaccines
- Adeno-associated virus vector vaccines
- Chimeric Yellow Fever virus vector vaccines
- Flavivirus vector vaccines
- Newcastle Disease Virus vector vaccines
- Paramyxovirus vector vaccines
- CMV vector vaccines
- Herpes virus vector vaccines
- Viral replicon vaccines
- Bacterial vector vaccines
- Gene based adjuvants (including VLPs, viral replicon particles)
- Gene-based prime and protein boost
- Mechanisms of action of DNA and gene-based vaccines
- Developments with animal health vaccines

Closing date for poster abstract submissions Friday 8th October 2010

Website: www.meetingsmanagement.com/gbv_2010

*Graphic courtesy of Intercell AG
Welcome & Introductory Remarks  
Shan Lu  
(University of Massachusetts, Worcester, Massachusetts, USA)

SESSION 1: 
OPENING PLENARY SESSION  
Moderator: Shan Lu  
(University of Massachusetts, Worcester, Massachusetts, USA)

Keynote:  
'DNA vaccines – what is the future?'  
David Weiner  
(University of Pennsylvania, Philadelphia, Pennsylvania, USA)

Keynote:  
'Pox viral vector – what has been learned from the past?'  
Shiu-lok Hu  
(University of Washington, Seattle, Washington, USA)

Keynote:  
'Title to be confirmed'  
Speaker to be confirmed

Coffee Break & Exhibits & Poster Set-Up

SESSION 2: 
PLENARY SESSION  
Moderator: David Weiner  
(University of Pennsylvania, Philadelphia, Pennsylvania, USA)

Keynote:  
'DNA fusion vaccines make it to the front line'  
Freda K. Stevenson  
(University of Southampton, UK)

Keynote:  
'Prime boost overview presentation'  
Jeff Ulmer  
(Novartis Vaccines, Cambridge, Massachusetts, USA)

Keynote:  
'Title to be confirmed'  
Speaker to be confirmed

Lunch Break & Posters & Exhibits

SESSION 3: 
VIRAL VECTORS – OLD & NEW  
Moderator: Shiu-lok Hu  
(University of Washington, Seattle, Washington, USA)

'Imojev (lyophilized): Development of a new live attenuated chimeric vaccine for the prevention of Japanese Encephalitis – a product and partnership success story'  
Daniel C. Vellom  
(Sanofi Pasteur, Swiftwater, Pennsylvania, USA)

Tea Break & Exhibits & Posters

SESSION 4: 
DNA VACCINES – WHAT IS THE FUTURE?  
Moderator: George Pavlakis  
(National Cancer Institute at Frederick, Maryland, USA)

'Gene-based HIV vaccines for prophylaxis and therapy'  
Britta Wahren  
(Karolinska Institutet, Stockholm, Sweden)

'Chimeras of HIV-1 enzymes in DNA immunization'  
Maria Isaguliants, Elizaveta Starodubova, David Hallengard, Yulia Kuzmenko, Olga Krotova, Oleg Latyshev, Olesja Eliseeva, Anna Karin Roos, Vera Tunitskaya, Gunnel Engstrom, Vadim Karpov and Andreas Brave  
(Karolinska Institutet, Stockholm, Sweden)

'Advanced analytical tools for the characterization of pharmaceutically active plasmid-DNA'  
Hermann Schuchnigg, Evelyn Hollaus and Jochen Urthaler  
(Boehringer-Ingelheim RCV GmbH, Vienna, Austria)

'Clinical and pre-clinical advancement of DNA vaccine for autoimmune diseases'  
Hideki Garren  
(Bayhill Therapeutics, Palo Alto, California, USA)

GBV 2010 Welcome Reception & Poster Session & Exhibits

Late Breaking Oral and Poster Abstracts

The Scientific Advisory Panel have set an extended deadline for Late-Breaker Oral and Poster Abstracts of Friday 8th October 2010. Authors should submit Late-Breaker Abstracts and Poster Abstracts (1 page Word documents) for the attention of John Herriot by e-mail: jherriot@meetingsmgmt.u-net.com
SESSION 5: PRIME-BOOST IMMUNIZATION
Moderator: Jeff Ulmer
(Novartis Vaccines, Cambridge, Massachusetts, USA)

‘Heterologous prime-boost for gene-based vaccines’
Shan Lu
(University of Massachusetts, Worcester, Massachusetts, USA)

‘Combined immunization with DNA plasmids encoding Herpes Simplex virus type 2 (HSV-2) genes plus inactivated HSV-2 virions in MPL/Alum is highly protective against acute and recurrent HSV-2 genital disease’
Deborah H. Spector, Christopher S. Morello, Kimberley Kraynyak and Michael S. Levinson
(University of California, San Diego, California, USA)

‘DNA prime – adenovirus (serotype 5) boost vaccine induces sterile protection against Plasmodium falciparum malaria in healthy, malaria-naïve adults’
Martha Sedegah et al.
(Naval Medical Research Center, Silver Spring, Maryland, USA)

‘Mucosal DNA nanoparticle/poxvirus vaccination induces mucosal and systemic anti-SIV immune responses in rhesus macaques and provides protection against mucosal challenge’
Luis D Giavedoni, V.L. Hodara, H. Shen, L.M. Smith, W.M. Saltzman and E. Goldberg
(Southwest Foundation for Biomedical Research, San Antonio, Texas, USA)

Coffee Break & Exhibits & Posters

SESSION 6: VACCINES AGAINST MAJOR INFECTIOUS DISEASES
Moderator: Britta Wahren
(Karolinska Institutet, Stockholm, Sweden)

Keynote: ‘Title to be confirmed – Overview Presentation’
Mark Newman (GeoVax Inc., Smyrna, Georgia, USA)

‘DNA and combination vaccines achieve high levels of long lasting and protective cellular and humoral responses’
George N. Pavlakis, Rashmi Jalal, Vainav Patel, Viraj Kulkarni, Antonio Valentin, Candido Aicela, Margherita Rosati, Agneta Von Gegerfelt, Nirjanjan Y. Sardesai, Julian Bess, David C. Montefiori, Jeffrey D. Lifson and Barbara K. Felber
(National Cancer Institute at Frederick, Maryland, USA)

‘Co-expression of IL–13 inhibitors: An effective way to enhance HIV-specific mucosal/systemic CDB+ T cell avidity and protective immunity’
Charani Ranasinghe, Fan Wu, Ronal J. Jackson, Wen J. Tu, Jill C. Medveczky and Ian A. Ramshaw
(The Australian National University, Acton, ACT, Australia)

‘Gene-based vaccines encoding the dosR protein alpha crystalline are immunogenic and protective against acute pulmonary infection with M. Tuberculosis’
Alistair Ramsay, Heena Mehta, Elizabeth Keoshkerian, Elizabeth Porretta and Carol Mason
(Louisiana State University, New Orleans, Louisiana, USA)

Lunch Break & Exhibits & Posters

SESSION 7: NON-INFECTIOUS DISEASE TARGETS – I
Moderator: Freda K. Stevenson (University of Southampton, UK)

‘Cervical cancer presentation’
T.C. Wu (Johns Hopkins University, Baltimore, Maryland, USA)

‘DNA fusion vaccines for prostate cancer’
Christian C. Ottensmeier (University of Southampton, UK)

‘DNA vaccination with T cell epitopes encoded within antibody molecules induces high avidity CDB T cells which were selectively maintained into memory and are capable of efficient anti-tumour activity’
V. Pudney, R. Metheringham and L.G. Durrant
(University of Nottingham, Nottingham, UK)

Tea Break & Exhibits & Posters

SESSION 8: LATE BREAKING PRESENTATIONS
Moderator: Mark Newman (GeoVax Inc., Smyrna, Georgia, USA)

‘Peptide–derivatized dendrimers for effective delivery of DNA or RNA to cells: a CTL immunomonitoring platform’
Pirouz Daftarian, Wei Li, Paolo Serafini, Claudia M. Diaz, Raquibul Chowdhury, Norma Kenyon and Angel E. Kaifer
(University of Miami, Florida, USA)

‘Microarray analysis of dendritic cells from NOD mice immunized with pro-apoptotic DNA vaccines encoding intracellular or secreted antigen’
Alice Li, Nancy Lee and Alan Escher
(Loma Linda University, California, USA)

Abstracts for the Late Breaker Sessions should be sent to John Herriot at Meetings Management by Friday 8th October 2010.
By e-mail to: jherriot@meetingsmgmt.u-net.com

‘Heterologous prime-boost for gene-based vaccines’
Shan Lu
(University of Massachusetts, Worcester, Massachusetts, USA)
SESSION 9:
DELIVERY TECHNOLOGIES & DESIGN
Moderator: Deborah Spector
(University of California, San Diego, California, USA)

‘The potential (and the problems) of using plant viruses to deliver antigens’
Yuri Gleba (ICON Genetics GmbH, Halle, Germany)

‘Electroporation mediated genetic vaccine delivery: Clinical application for cancer and infectious disease indications’
Drew Hannaman
(ICHOR Medical Systems, San Diego, California, USA)

‘Clinical translation of electroporation delivered gene-based vaccines for infectious diseases and cancer’
Xuefei Shen, Jian Yan, Kate Broderick, Amir Khan, Matthew Morrow, Stephen Kemmerrer, Jessica Lee, Jean Boyer, Mark Baqarazzi, David Weiner and Niranjani Sardesai
(INOVIO Inc., San Diego, California, USA)

‘A targeted nanoparticle-based platform for genetic immunization: Therapy of established melanoma’
Pirouz Daftarian, Paolo Serafini, Wei Li, Raquibul Chowdhury, Felix Roth, Victor L. Perez, Daniela Frasca, Bonnie B. Blomberg, Alexander Sette, Vance Lemmon, Norma Kenyon and Angel E. Kaifer
(University of Miami, Florida, USA)

‘Critical design criteria for minimal antibiotic-free plasmid vectors with improved efficacy, safety and upstream production’
Jim Williams
(Nature Technology Corporation, Lincoln, Nebraska, USA)

‘ORT-VAC: live bacterial vectors for plasmid-based vaccine delivery’
Rocky Cranenburgh
(RecipharmCobra Biologics, Keele, Staffordshire, UK)

SESSION 10:
NON-INFECTIONOUS DISEASE TARGETS – II
Moderator: to be confirmed

‘Immunize and disappear’ – Prophylactic mRNA vaccination against type I allergy’
Richard Weiss, Elisabeth Roesler, Esther E. Weinberger, Angelika Fruhwirth, Angelika Stoecklinger, Sven Mostbock, Fatima Ferreira, Josef Thalhamer and Sandra Scheibhofer
(University of Salzburg, Salzburg, Austria)

SESSION 11:
LATE BREAKING PRESENTATIONS
Moderator: to be confirmed

Abstracts for the Late Breaker Sessions should be sent to John Herriot at Meetings Management by Friday 8th October 2010. By e-mail to: jherriot@meetingsmgmt.u-net.com

SESSION 12:
CLOSING PLENARY PRESENTATION
Moderator: Shan Lu
(University of Massachusetts, Worcester, Massachusetts, USA)

‘Title to be confirmed’
Speaker to be confirmed Kenote closing speaker

Closing remarks & departure
Late Breaking Oral and Poster Abstracts

The Scientific Advisory Panel have set an extended deadline for Late-Breaker Oral and Poster Abstracts of Friday 8th October 2010. Authors should submit Late-Breaker Abstracts and Poster Abstracts (1 page Word documents) for the attention of John Herriot by e-mail: jherriot@meetingsmgmt.u-net.com

Sponsors

The GBV 2010 Advisory Scientific Panel and the organizers would like to acknowledge the support of the following sponsors:
**Information for Delegates**

**REGISTRATION**

Delegates should register for GBV 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 GBV 2010 Conference Manager – Caroline Sumner at Meetings Management. The GBV 2010 Conference Registration Desk will be open from 8.00am on Monday 8th November 2010. **Delegates can also register securely on-line at: www.meetingsmanagement.com/gbv_2010**

**VENUE & ACCOMMODATION**

The venue for GBV 2010 is the The Novotel Cannes Montfleury, Cannes, France. Organizers have negotiated special discounted rates for GBV 2010 delegates at The Novotel Cannes Montfleury. Please use the Hotel Accommodation Booking Form provided in this brochure to qualify for the special rates.

**NOVOTEL CANNES MONTFLEURY**

25 AVENUE BEAUSEJOUR
F06400 CANNES, FRANCE

TEL: +33 493688686     FAX: +33 493688787

E-mail: veronique.page@accor.com

Single: 109 Euros   Double/Twin: 119 Euros

Superior Single: 129 Euros   Superior Double/Twin: 139 Euros

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**Accommodation: On-Line Booking**

Booking On-Line at: www.novotel.com

When making your reservation via the “NOVOTEL” website in order to benefit from the “GBV 2010 Conference Rate” which includes breakfast you need to firstly select “Cannes, France” and then follow this procedure:

1st screen – Select your arrival date and tick the box “Loyalty card or Preferential code”
2nd screen – Type “ONLINE” in the Preferential code box
3rd screen – Select the Novotel Cannes Montfleury Hotel
4th screen – Select the “Trade Fair” Rate.

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**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 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 top/exhibit space for £2000. If you do not wish to attend the conference sessions, you can reserve a table top/exhibit space for £3500 (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.

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**DELEGATE PACK INSERT SERVICE**

**PROGRAMME**

The GBV 2010 Advisory Scientific Panel and the GBV 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 (CD of abstracts, 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 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.

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**ANY QUESTIONS?**

For further information and assistance, please contact: Caroline Sumner GBV 2010 Conference Manager (details below).
Accommodation: On-Line Booking

Booking On-Line at: www.novotel.com
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4th screen – Select the “Trade Fair” Rate.

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Hotel Accommodation Form for GBV 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) Please quote GBV 2010 Conference in any communications.

HOTEL DETAILS:
NOVOTEL CANNES MONTFLEURY
25 AVENUE BEAUSEJOUR
F06400 CANNES, FRANCE
Tel: +33 493688686 Fax: +33 493688787
E-mail: veronique.page@accor.com
Website: www.novotel.com - see on-line booking instructions
☐ Single: 109 Euros  ☐ Double/Twin: 119 Euros
☐ Superior Single: 129 Euros  ☐ Superior Double/Twin: 139 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 GBV 2010 at discounted rates. To benefit from the special conference room rates please make all necessary reservations before the cut off date of 6th October 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.

Family Name .................................................................. Title
First Name ..................................................................
Job Title ..................................................................
Organization ..................................................................
Address ..................................................................
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Departure Date ............................................................. Flight ETA

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GBV 2010 – The Gene Vaccine Conference

GBV 2010 November 8-10 2010, Cannes, France – Delegate Registration Form

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

Surname……………………………………. Initials……………………………………. Title…………………………………….

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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

Speaker/Delegate Registration Fees: (NOTE THAT FEES ARE IN UK £ STERLING) DELEGATE REGISTRATION FORMS NOT DILY & FULLY COMPLETED WILL NOT BE VALID

Amount Due (£ Sterling)

[ ] Speaker Registration (submitted oral/poster papers) £545.00 £ …………………………………

[ ] Reduced Early Bird Registration (Payment must be received before Friday 1st October 2010) £745.00 £ …………………………………

[ ] Full Registration (Payment received after Friday 1st October 2010) £975.00 £ …………………………………

[ ] Student Registration (Price on application, contact Conference Manager) £ …………………………………

Table Top Exhibits/Delegate Pack Inserts

[ ] Table Top Exhibit (I am registered to attend) £2000.00 £ …………………………………

[ ] Table Top Exhibit (I am NOT registered to attend) £3500.00 £ …………………………………

[ ] Delegate Pack Insert (one item) £425.00 £ …………………………………

For those Unable to Attend

[ ] Set(s) of GBV 2010 materials @ £395.00 (per set) £ …………………………………

Total Amount Payable £………………………………

Registration fees include admission to all conference sessions, morning and afternoon refreshments and lunches on 8th, 9th and 10th November 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 GBV 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 GBV 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 22ND OCTOBER 2010. LATE PAYMENT AFTER 22ND OCTOBER 2010 MUST BE MADE BY CREDIT CARD (VISA/MASTERCARD).

[ ] I would like to pay £……………. by credit card (VISA/MasterCard only accepted).

Card no. ………………………………. CV2 code (3 digit No.) ………………………………. Expiry date ……………………………….

Address to which card is registered ……………………………….

Signature……………………………………………………………………………………………………………………………………………………………………………………………………………… Date ……………………………….

Please remember that any remittance sent but not received by the time of the conference must be paid again at the Registration desk; we will refund you later. Cancellations received before Friday 1st October 2010 will be refunded in full less an administrative charge of £150 per person. Refunds will not be possible if a cancellation is received after Friday 1st October 2010. Substitutions can be made at any time prior to the conference. Please inform the Conference Manager of any changes. We strongly advise that delegates purchase travel insurance to cover any unforeseen circumstances and protect against loss of hotel deposits and registration fees.

GBV 2010 Conference Secretariat, Meetings Management

Unit 6, Hurtmore Heights Commercial Centre, Hurtmore Road, Hurtmore, Godalming, Surrey, GU7 2FD, United Kingdom

Conference Manager: Caroline Sumner

Telephone: +44 (0)1483 427770 Fax: +44 (0)1483 428516

Email: csumner@meetingsmgmt.u-net.com Register securely on-line at: www.meetingsmanagement.com/gbv_2010

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