



March 2019 - Volume III Issue I

## Highlights

- **Save the Date!** The 2<sup>nd</sup> Biennial *International Precision Vaccines Conference* at the Joseph B. Martin Conference Center, Boston, MA will occur **October 17 & 18, 2019**. Please download the registration form [here](#). We are proud to announce that the keynote speaker will be Dr. Dan Barouch, MD, PhD, Professor of Medicine at Harvard Medical School and Director, Center for Virology and Vaccine Research at Beth Israel Deaconess Medical Center. A review article of the 1<sup>st</sup> Biennial Conference in 2017 can be found [here](https://msphere.asm.org/content/3/4/e00214-18). <https://msphere.asm.org/content/3/4/e00214-18>
- Children, especially newborns, are at the greatest risk for infectious diseases; we explored the unique development of newborns across the first week of life to gain insight into human health and disease. We would like to congratulate our amazing EPIC-HIPC collaborators (some pictured below) for their recently published work in Nature Communications: “Dynamic molecular changes during the first week of human life follow a robust developmental trajectory” : <https://www.nature.com/articles/s41467-019-08794-x>



Top Row: Rym Ben Othman, Scott Tebbutt, Olubukola Idoko, Al Ozonoff, Ken Kraft  
 Middle Row: Kerry McEnaney, Joann Arce, Beate Kampmann, Arnaud Marchant, Rebecca Ford, Diana Vo  
 Bottom Row: Tobias Kollmann, Hanno Steen, Kinga Smolen, Ofer Levy, Anita van den Biggelaar, Alansana Darboe

## Membership

We have implemented new *Precision Vaccines Program* membership tiers for 2018-2019. Forms can be found [here](#).

## News

5th International Neonatal & Maternal Immunization Symposium (INMIS) September 15-17, 2019 Vancouver, BC

- Organizing Committee is led by *PVP* members Drs. Tobias Kollmann and Manish Sadarangani, University of British Columbia
- <http://www.inmis.org/> - Visit the website for registration, updates on the scientific program, abstract submission, and applications for travel bursaries. **Abstracts due April 1, 2019**

The *Precision Vaccines Program* is **seeking a skilled and motivated post-doctoral scientist** with background in Immunology (experience in T and B lymphocyte studies a plus), Vaccinology, and/or Systems Biology to lead a project on development of novel adjuvanted vaccines. Job description attached.

## Recent Publications from PVP members in the limelight

(Each quarter we highlight recent publications from PVP members- suggestions are welcome!)

- Ackerman, Margaret et al. "Route of immunization defines multiple mechanisms of vaccine-mediated protection against SIV" October 2018, <https://www.ncbi.nlm.nih.gov/pubmed/30177821>
- HaCohen, Nir et al. "Defining T Cell States Associated with Response to Checkpoint Immunotherapy in Melanoma" November 2018, <https://www.ncbi.nlm.nih.gov/pubmed/30388456>
- Kedl, Ross et al. "Clonal expansion of vaccine-elicited T cells is independent of aerobic glycolysis" September 2018, <https://www.ncbi.nlm.nih.gov/pubmed/30194241>
- Sanchez-Schmitz et al. "Microphysiologic Human Tissue Constructs Reproduce Autologous Age-Specific BCG and HBV Primary Immunization *in vitro*" November 2018, <https://www.frontiersin.org/articles/10.3389/fimmu.2018.02634/full>

## Upcoming Events

**2<sup>nd</sup> Biennial  
International Precision  
Vaccines Conference**

**October 17-18, 2019**

**Harvard Medical School  
Boston, MA, USA**

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**Flyer attached**

***Precision Vaccines  
Program***  
**by the numbers**

~275 members  
15 countries  
5 continents  
1 international  
conference

Contact Us:

Boston Children's Hospital  
4 Blackfan Circle, Room 837  
Boston, MA 02115

Phone: 617-919-6978

@PrecVaccProgram

Email:

[precisionvaccinesprogram@childrens.harvard.edu](mailto:precisionvaccinesprogram@childrens.harvard.edu)



## Save The Date!

The *Precision Vaccines Program* announces

**2nd Biennial**  
**International Precision  
Vaccines Conference**

**October 17 – 18, 2019**

Joseph B. Martin Conference Center  
Boston, Massachusetts



The second biennial *International Precision Vaccines Conference* will serve as a platform to foster international collaboration for developing vaccines tailored to distinct and vulnerable populations such as the young and elderly.

The keynote speaker will be **Dr. Dan Barouch, MD, PhD**, Professor of Medicine at Harvard Medical School and Director, Center for Virology and Vaccine Research at Beth Israel Deaconess Medical Center

Additional speakers will include leading experts in vaccinology, clinical trials, immunology, molecular biology, cell signaling, *in vitro* modeling, systems biology, biostatistics, and bioinformatics, among others.

Visit our Website at:

<http://www.childrenshospital.org/research/departments-divisions-programs/departments/medicine/precision-vaccines-program>

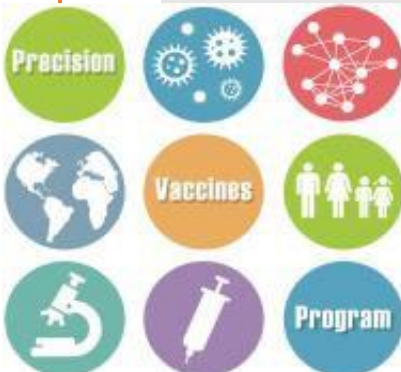
Organizing Committee:

Ofer Levy MD, PhD (Boston Children's Hospital)

Jay Evans, PhD (U Montana, InImmune)

Olubukola Idoko, MD (MRC-Gambia)

Lisa Tostanoski, PhD (Beth Israel, CVVR)



## Precision Vaccines Program

Boston Children's Hospital  
4 Blackfan Circle, Room 837  
Boston, MA 02115

Email: [precisionvaccinesprogram@childrens.harvard.edu](mailto:precisionvaccinesprogram@childrens.harvard.edu)

# 2nd Biennial International Precision Vaccines Conference

October 17 – 18, 2019

Joseph B. Martin Conference Center  
Boston, Massachusetts



## REGISTRATION FORM

Deadline to Register: Friday, September 13, 2019 (or until max occupancy)  
(Please Print)

Today's date: \_\_\_\_\_

### REGISTREE INFORMATION

Last name: \_\_\_\_\_ First: \_\_\_\_\_  MD  PhD  Other \_\_\_\_\_ Phone no.: ( ) \_\_\_\_\_

Email address: \_\_\_\_\_ Position & Institution: \_\_\_\_\_

Street address: \_\_\_\_\_ City/State: \_\_\_\_\_ ZIP Code: \_\_\_\_\_ Country: \_\_\_\_\_

	Nonmember	Basic Member*	Premium Member*
<b>Post-Doc/Trainee</b>	<input type="checkbox"/> \$200 USD	<input type="checkbox"/> \$175 USD	<input type="checkbox"/> \$100 USD
<b>Academic/Government/Non-Trainee</b>	<input type="checkbox"/> \$350 USD	<input type="checkbox"/> \$300 USD	<input type="checkbox"/> \$175 USD
<b>Industry</b>	<input type="checkbox"/> \$750 USD	<input type="checkbox"/> \$450 USD	<input type="checkbox"/> \$250 USD
Attending: <input type="checkbox"/> Day 1 <input type="checkbox"/> Day 2 <input type="checkbox"/> Both Days (Fee covers both days)			

\*Please see membership application for membership rates

### CHECK INFORMATION

Please make checks out to Boston Children's Hospital in US Dollars (USD)  
Checks are due by Friday, September 13, 2019

Please mail checks to: ATTN: Maria Crenshaw  
Boston Children's Hospital  
300 Longwood Ave, BCH 3104  
Boston, MA 02115

### CREDIT CARD INFORMATION

Will accept credit card information by phone. Please call Diana Vo at +1 617-919-6978  
\_\_\_\_\_

### BCH FUNDS

Project ID/Fund \_\_\_\_\_ Bud. Ref. \_\_\_\_\_

\_\_\_\_\_  
*Fund Approver signature (above)* \_\_\_\_\_ *Date (above)* \_\_\_\_\_

*Fund Approver Name:* \_\_\_\_\_ *BCH ID #* \_\_\_\_\_

Submit registration form to [PrecisionVaccinesProgram@childrens.harvard.edu](mailto:PrecisionVaccinesProgram@childrens.harvard.edu)

Signature of PVP personnel approving form: \_\_\_\_\_ Date: \_\_\_\_\_

The *Precision Vaccines* Laboratory, directed by Ofer Levy MD, PhD, is the focal point of the *Precision Vaccines Program* at Boston Children's Hospital/Harvard Medical School (Boston, MA; USA). Due to distinct immunity, life-threatening infections most often occur at the extremes of life motivating development of improved vaccines that are safe and effective in the young and old. The *Precision Vaccines Program* is a platform for international collaboration employing cutting edge technologies to understand age- and sex-specific features of immune responses to inform development of vaccines tailored for optimal safety and immunogenicity towards distinct populations. **We seek a skilled and motivated post-doctoral scientist with background in Immunology (experience in T and B lymphocyte studies a plus), Vaccinology, and/or Systems Biology to lead a project on development of novel adjuvanted vaccines.** We are funded by NIH/NIAID via an Adjuvant Discovery and Development Program contracts, a UO1 grant on adjuvant synergy and a U19 Human Immunology Project Consortium (HIPC) award to study systems vaccinology. Studies will employ *in vitro* modeling of human newborn, adult and elderly antigen-presenting cells, T and B lymphocytes, small molecule screens, medicinal chemistry, adjuvant formulation as well as *in vivo* animal and human studies and big data "OMIC" technologies, to identify and develop adjuvants that enhance immune responses of those at the extremes of age. Our laboratory is dynamic, international, supportive and productive. We offer excellent opportunities for publication, attendance at scientific meetings, and career advancement with graduates of the lab holding prominent positions in academia and industry. The candidate should have obtained their PhD within the last 1-3 years. Interested applicants should e-mail their CV and arrange to have 3 statements of reference **e-mailed to: [ofer.levy@childrens.harvard.edu](mailto:ofer.levy@childrens.harvard.edu)**. International candidates are encouraged to apply.