

IPC LIFE & ACTIVITIES

NEWSLETTER



Jurri Siegers
Postdoctoral Research Scientist
Collecting bat sample at the exit of a cave in Battambang

1. Research & Publications

Dengue Immunology Study Published

IPC researchers identified protective immune pathways in subclinical dengue cases, published in *Cell Host & Microbe*.

[Read the study](#)

From Coop to Cave: Surveillance Innovation

IPC pilots air and surface sampling to detect H5N1 in real time from wet markets to bat caves.

[Read The Telegraph article](#)

H5N1 in the Spotlight

Dr. Erik Karlsson featured on BBC and The Telegraph to explain IPC's role in Cambodia's H5N1 outbreak response.

[BBC Interview | Telegraph Article](#)

July & August Scientifics Publications

- **FcyRIIIa is a noncanonical costimulatory molecule for CD8 T cells.**
Kao KS, Pihlstrom NL, Niejadlik EG, [Cantaert T](#), Ahmed R, Ravetch JV, Bournazos S. *Proc Natl Acad Sci U S A*. 2025 Jul 8;122(27):e2509016122. doi: 10.1073/pnas.2509016122. Epub 2025 Jul 1.
- **Zoonotic disease risk at traditional food markets.**
[Sparaciani FE](#), Firth C, [Karlsson EA](#), Horwood PF. *J Virol*. 2025 Jul 23:e0071825. doi: 10.1128/jvi.00718-25.
- **Rapid detection of G6PD deficiency SNPs using a novel amplicon-based MinION Sequencing Assay.**
Tacoli C, Kleinecke M, Hoon KS, Trimarsanto H, Nadeem M, Eam R, [Khim N](#), Rumaseb A, Ley B, Sayre D, Phok S, Lek D, Witkowski B, Hwang J, Auburn S, Mueller I, Price RN, [Popovici J](#). *bioRxiv [Preprint]*. 2025 Jun 24:2025.06.23.661218. doi: 10.1101/2025.06.23.661218
- **Immune profiling in subclinical secondary dengue-infected cases reveals adaptive immune signatures correlated to protection from severe dengue.**
[Gonnella C](#), Libri V, Gioacchino E, Mella S, [Sann S](#), [Sorn S](#), [Ken S](#), Seffer V, [Ya N](#), [Heng L](#), [Yay C](#), Sakuntabhai A, [Ly S](#), Dussart P, [Duong V](#), Hasan M, [Cantaert T](#). *Cell Host Microbe*. 2025 Jul 9;33(7):1191-1207.e4. doi: 10.1016/j.chom.2025.06.006. Epub 2025 Jun 27.
- **Emerging approaches to mosquito species identification: an overview with emphasis on nanopore sequencing technology.**
Rakotonirina A, Dusadeepong R, Hide M, Vuth L, Chea R, [Heng K](#), Maquart PO, [Vandelannoote K](#), [Boyer S](#). *J Med Entomol*. 2025 Jul 17 :tjaf044. doi: 10.1093/jme/tjaf044.
- **Wastewater surveillance for early pathogen detection in Asia.**
Pang J, Wong JCC, Wulandari SM, Tay M, [Karlsson EA](#), Oktaria V, Nisar I, Alam M, Murni IK, Amir A, Ishtiaq F, Tong Z, Kitajima M, Nolan M, Mak ST, Maurer-Stroh S, Smith GJ, de Alwis R, Boucher YF, Ng LC, Pronyk PM. *Int J Environ Health Res*. 2025 Aug 19:1-10. doi: 10.1080/09603123.2025.2544736.
- **Integrating One Health: Beyond buzzwords and silos.**
[A Antonioli](#), [C Flamand](#)
One Health. Vol 21, 2025, 101174, ISSN 2352-7714, <https://doi.org/10.1016/j.onehlt.2025.101174>.
- **One Health for all: why gender inclusion matters.** **IF: 88.5**
Weiszhar KL, Henley P, Vezeau N, [Auerswald H](#); Women for One Health Network. *Lancet*. 2025 Aug 2. doi: 10.1016/S0140-6736(25)01302-9. 2025 Jul 16.

2. Strategic Visits & Collaborations

- **July 4 – Visit of Académie Nationale de Médecine**
A French delegation visited IPC to tour laboratories and discuss health initiatives.
- **July 25 – Visit of Open Medical Institute**
Prof. Wolfgang Aulitzky and Ms. Stephanie Faschang visited IPC to explore future collaboration.
- **July 31 – Visit of Japanese Delegation on H5N1**
Led by Dr. Naomi Seki Fujishima, the delegation reviewed IPC's A/H5N1 response.



*Dr. Janin NOUHIN, Deputy director of Virology Unit
Introducing BSL3 to Académie Nationale de Médecine*



3. Education & Internships

Lycée Descartes Student Internship

Eight high school students completed an 8-day internship across IPC departments.

PhD & Postdoc Club Activity

Members gathered for a creative evening of painting and shared dinner on July 18.

[Read More on our website](#)

4. Capacity & Training

- **July 1-3 – Kobo Toolbox Training in Kep**
IPC supported FAO in training 33 GDAHPO officers on digital disease surveillance.
- **July 11 & 17 – First Aid Training for Staff**
More than 40 staff received emergency response training for lab and field situations.
- **July 21-25 – Lab Equipment Maintenance Training**
Six NIPH technicians trained in preventive maintenance of lab instruments at IPC.
- **July 31 & August 1 – Study Visit at IPC's Medical Biology Laboratory**
IPC's Medical Biology Laboratory hosted a study visit to share quality and biosafety practices with Phnom Penh hospitals.
- **14 August Strengthening Technical Capacity at IPC**
IPC's BAIA Unit held an Intermediate Linux Command Line course, helping staff deepen their skills in bash, shell tools, networking commands, and advanced file handling to further strengthen technical capacity.



Nicolas RESTANO
DAF

5. Human Resources & Community

● DEPARTURE

- KIM Choeun - Cleaner
- Victor OMONDI - Research Assistant
- CHHOK Seakhong - Laboratory Technician

● ARRIVAL

- Nicolas RESTANO -DAF
- BO Pisey - Procurement Executive
- CHAO Kokyoeng - Laboratory Technicain
- NEANG Kanha - Cleaner
- LEE Rattanak Sambath - Field Team Leader
- RUOS Phearum - Field Team Leader
- NEANG Sreynat - Field Team Leader
- VIN Chanda - Field Team Leader
- THEA Rithnita - Laboratory Technicain

● Upcoming Events – September 2025

From 12 to 30 September 2025, Insects: The Art of Detail

The French Institute of Cambodia will host the exhibition *Insects: The Art of Detail*, a collaboration between the Institut Pasteur du Cambodge and the French Embassy. Through ultra-high-resolution photography, the exhibition reveals the hidden beauty and fragility of insect biodiversity, highlighting their vital role in ecosystems and the urgent need for protection.



[Any suggestions of info? Click here](#)