

1st Franco-Thai symposium on Viral vectors for Gene Transfer & Genome Editing

Organizing committee:

- Dr Rodolphe Hamel (IRD, France)
- Dr Narisorn Kitiyanant (Mahidol University, Thailand)
- Dr Arnaud Monteil (CNRS, France)
- Dr Sineewanlaya Wichit (Mahidol University, Thailand)

When: 18-21 April 2023

Where: Symposium: Serene Piboonniyom Auditorium (180 seats)

Lab: MU-VERY

Symposium 1 Day

Tuesday 18 April 2023

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| 8.30 – 9.00 | Registration |
| 9.00 – 9.10 | Opening Remark |
| 9.15 – 9.30 | The Year of Innovation between France and Thailand
Dr. Xavier GROSMAITRE
Attache for Scientific and Higher Education Cooperation
Embassy of France in Thailand |
| 9.30 – 9.45 | General Introduction to IRD and Collaboration in SEA
Dr. Xavier MARI
IRD Representative in Thailand |
| 9.45 – 10.15 | Overview of Viral Vectors
Dr. Arnaud MONTEIL
Vector Core Facility of Montpellier, IGF |
| 10.15 – 10.30 | Group photo and Break |
| 10.30 – 11.00 | Applications of Viral Vectors
Dr. Rodolphe HAMEL,
MIGIVEC, IRD |

- 11.00 – 11.30 Lentiviral gene therapy for thalassemia
Dr. Natee Jearawiriyapaisarn
Thalassemia Research Center, Institute of Molecular Biosciences
- 11.30 – 12.00 AAV for a precise gene delivery approach
Dr. Methichit Wattanapanitch
Siriraj Center for Regenerative Medicine, Faculty of Medicine Siriraj
Hospital
- 12.00 – 13.00 Lunch
- 13.00 – 13.30 Lentiviral vector for Rare disease
Dr.Kanit Bhukai
Department of Physiology, Faculty of Science
- 13.30 – 14.00 Lentiviral vector: Joint unit and Joint Laboratory at MU
Asst. Prof. Dr.Sineewanlaya Wichit and Miss Nuttamonpat Gumpangseth
- 14.00 – 14.30 Genome Editing Technologies
Prof. Dr. François MOREAU-GAUDRY (Online)
Biotherapy team and Vectorology Core Facility, University of Bordeaux
- 14.30 – 15.00 After-party: snacks and non-alcoholic beverages will be provided.

Hand-on 3 days

Wednesday 19 April 2023

- Introduction of workshop 1 hr
- Plasmid preparation (Transform in bacteria-Extraction) 2 hr
- Lunch
- Transfection (Lenti/AAV) 3 hr

Thursday 20 April 2023

- Introduction of workshop 30 min-1 hr
- Purification 3 methods: UC, Concentrator, PEG 2 hr
- Lunch

- Purification 3 methods (continue) 3 hr

Friday 21 April 2023

- Introduction of workshop 30 min-1 hr
- Transduction
- Titration (2 methods: qPCR, FACS)
- Lunch
- Checking the transduced cells by Florescence microscope or Flow microscope
- Conclusion and Discussion
- Group Photo