

International Conference

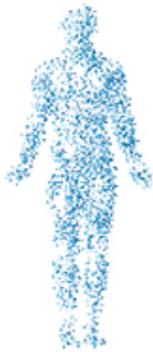
BioHealF 2017

14th to 16th December 2017

University of La Reunion

Saint-Denis

La Réunion



IC - BioHealF 2017

International Conference on Biodiversity Health and Food



INOVONS
La Réunion

UR UNIVERSITÉ
DE LA RÉUNION

CHU
CENTRE HOSPITALIER UNIVERSITAIRE
LA RÉUNION

BioST
sécurité en milieu Tropical

CYROI
Recherche Santé Bio-innovation

REGION REUNION
www.regionreunion.com



SCHEDULE AT A GLANCE

	Wednesday 13th	Thursday 14th	Friday 15th	Saturday 16th
8:00 - 8:30		Registration	Registration	Guest visit
8:30 - 9:00				
9:00 - 9:30		Opening speeches	Plenary « <i>Infectious diseases: One Health & Ecohealth</i> »	« <i>Vanilla plantation of Ste Suzanne</i> »
9:30 - 10:00				
10:00 - 10:30		Plenary « <i>Metabolic & Chronic diseases</i> »		
10:30 - 11:30				
11:30 - 12:00			2 Workshops in parallel	
12:00 - 12:30				
12:30 - 13:00				
13:00 - 13:30				
13:30 - 14:00				
14:00 - 14:30				
14:30 - 15:00		Poster session	Plenary « <i>Tropical Biodiversity, Food, Health & Society</i> »	« <i>Sugar cane factory and distillery of Savannah</i> »
15:00 - 15:30	Registration			
15:30 - 16:00		Plenary « <i>Innovations, valorization in life and health sciences</i> »		
16:00 - 16:30				
16:30 - 17:00				
17:00 - 17:30			Conference closing	
17:30 - 18:00				
18:00 - 18:30		2 Workshops in parallel		
18:30 - 19:00			Conference general public	Leaving
19:00 - 19:30				

SYMPOSIUM PROGRAM

WEDNESDAY 13 DECEMBER 2017

15h00 - 17h00

Registration

- Seminar gifts : bags, programs, badges {Moufia, University}
- Reception of guests at the airport and hotel shuttle
- Visits of the Technological Platform CYROI {Optional}

THURSDAY 14 DECEMBER 2017

8h00-9h00

Reception and registration

9h00-9h45

Welcome and Opening Speeches

- **Frédéric MIRANVILLE** {President of the University of La Réunion}
- **Lionel CALENGE**, {General director of CHU and President of CYROI},
- **Didier ROBERT** {President of Region Reunion}
- **Amaury de SAINT QUENTIN** {Prefect of Region}

9h45-10h00

Coffee Break - Meeting B2B

10h00-10h15

Presentation of Smart Specialization Strategy (S3) of Reunion Island
{Innovons La Réunion}

10h15-12h55

PLENARY SESSION « *Metabolic & Chronic diseases* »

Chairpersons : **Estelle NOBECOURT** {CHU, Reunion} & **Marie-Paule GONTHIER** {DéTROU, Reunion}

10h15-10h35

Karine CLEMENT {UPMC-Paris, France}

« Gut microbiota and derived-metabolites in severe obesity : effect of bariatric surgery »

10h35-10h55 **Ramaroson ANDRIANTSITOHAINA** {University of Angers, France}
« *Extracellular vesicles as biomarkers and biological vectors of atherosclerosis in Metabolic Syndrome* »

10h55-11h15 **Renaud BEAUWENS** {ULB-Bruxelles, Belgique}
« *Study of glucose-induced membrane potential oscillations in WT and F508del mouse beta cell: importance of Anoctamin 1* »

11h15-11h35 **Break - Meeting B2B**

11h35-11h55 **Stéphane GERMAIN** {Collège de France-Paris, INSERM, France}
« *Preserving endothelial integrity in ischemic cardiovascular diseases: a new concept... Really?* »

11h55-12h15 **Pierre-Olivier COURAUD** {INSERM-Paris, France}
« *CNS barriers and neuroimmune interactions* »

12h15-12h35 **Fatiha TABET** {UNSW-Sydney, Australie}
« *MicroRNAs and cardiovascular disease* »

12h35-12h55 **Olivier MEILHAC** {DÉTROIT, INSERM, Reunion}
« *High-density lipoproteins: biomarkers and therapeutic tool for metabolic complications and beyond* »

13h00-14h30 **Lunch time**

14h30-15h30 **University of La Reunion and Younger researchers**

Poster presentations by PhD students, young PhD

15h30-15h50 **Break - Meeting B2B**

15h50-17h10 **PLENARY SESSION** « *Innovations, valorization in life and health sciences* »

Chairperson : **Claude MARODON** {APLAMEDOM, Reunion} & **Anne-Laure MOREL** {Torskal}

15h50-16h10 **Eric NIESOR** {Hartis Pharma, Switzerland}
« *Role of HDL and its receptor SR-B1 in the transport and delivery of liposoluble antioxidants: potential therapeutic implications* »

16h10-16h30

Theesan BAHORUN {CBBR, Mauritius}

« *Biomedical Research and Innovation: from bench to shelf* »

16h30-16h50

Fabien BOULLE {Axonova, Ile Maurice}

« *Identification and characterization of plant-based modulators of BDNF/TrkB signalling: Application in Neuro-Psychiatry* »

16h50-17h10

Anne BIALECKI {LCSNSA, Reunion University}

« *Bioactive molecules of marine invertebrates from South-West Indian Ocean* »

17h10-17h30

Coffee break - Meeting B2B

17h30-19h10

2 Workshops in parallel

« *The microbiota* »

Chairpersons : Fabienne **REMIZE** {Reunion University} & Olivier **MEILHAC** {INSERM}

Contributors : Karine **CLEMENT** {UPMC, France}, Pascale **MOSONI** {INRA, France}

« *Valuation of natural compounds (regulation, testimony, exchange)* »

Chairpersons : Maya **CESARI** {CYROI, Reunion} & Graziella **TOSTAIN** {Qualitropic, Reunion}

Contributors : Paul **HANNEWALD** {PharmaD}, Achmet **SAID** {University of Comoros-Comoros}, Frédéric **GAULT** {CORALBIOME} Start-ups from La Reunion, Michel **HUC** {ASPE-CONSEIL}

20h00

Cocktail {CYROI site}

8h00-8h30

Reception and registration

8h30-11h20

PLENARY SESSION < *Infectious diseases: One Health & Ecohealth* >

Chairpersons : Catherine CÊTRE-SOSSAH {Cirad, Reunion} & Pablo TORTOSA {Reunion University}

8h30-8h50

Herwig LEIRS {University of Antwerp, Belgium}

« *Small mammals and One Health: linking ecology to human society* »

8h50-9h10

Eric CARDINAL {ASTRE, CIRAD-Reunion}

« *One Health in the Indian Ocean: a concept on the move!* »

9h10-9h30

Marie-Lise GOUGEON {Institut Pasteur, France}

« *Innate Sensing of Viral Infections: the Janus Face of Dendritic Cells in viral infections* »

9h30-9h50

Alain KOHL {University of Glasgow, UK}

« *Zika virus- tropism and antiviral responses* »

10h00-10h20

Coffee break - Meeting B2B

10h20-10h40

Fabrice VAVRE {LBBE - Lyon University, France}

« *Extreme (and recurrent?) lifestyle transitions in tick-associated bacteria* »

10h40-11h00

Patrick MAVINGUI {PIMIT, CNRS, Reunion}

« *Investigations in the research unit Infectious Processes in Tropical Island Environments* »

11h00-11h20

Philippe DESPRES {PIMIT, Reunion University}

« *The research program on Zika virus exemplifies the PIMIT's capacity to respond to emerging infectious disease threats in Indian ocean* »

11h30-13h00

2 Workshops in parallel

« *Cohorts & Biological collections* »

Chairpersons : Bénédicte ROQUEBERT {CHU Reunion} & Bernard REYNAUD {PVBMT, Reunion University}

Contributors : Catherine MARIMOUTOU {CIC, CHU Reunion}, Eric NIESOR {Hartis Pharma, Switzerland}, Jean-Hélène DI DONATO {France}

« *Innovative Strategies for Vector Control* »

Chairpersons : Clément GOUAGNA {MIVEGEC, IRD Reunion} & Jean Sébastien DEHECQ {ARS Indian Ocean}

Contributors : David TCHOUASSI {ICIPE, Nairobi Kenya}, Frédéric SIMARD {IRD, France}, Pablo TORTOSA {Reunion University}, Jokin GARATEA {Cluster GAIA}, Manuel DE LARA {Ocean Living Lab, Pays Basque espagnol}

13h00-14h30

Lunch time

14h30 -17h10

PLENARY SESSION « *Tropical Biodiversity, Food, Health & Society* »

Chairpersons : **Pascale CHABANET** {IRD, Reunion}, **Marie THIANBO-MOREL** {IRIS, Reunion}

14h30-14h50

Sylvie BERCION {University of Antilles-France}

« *Antidiabetic traditional vegetal extracts as potential raw materials for new products* »

14h50-15h10

Phila BIANCHINI RAHARIVELOMANANA {University of French Polynesia Française-France}

« *Phytochemical assessment of Rauvolfia nukuhivensis : from uses to biological activities and chemodiversity* »

15h10-15h30

Pascale MOSONI {INRA, France}

15h30-15h50

Break - Meeting B2B

15h50-16h10

Jocelyn RAUDE {EPV, PIMIT, IRD Reunion}

« *The role of interaction between Human behaviors and environments in the dynamic of mosquito-borne diseases* »

16h10-16h30

Mathieu WEIL {QUALISUD, France}

« *Piper borbonense, a wild pepper from Réunion Island : Characterization, impact of processes on quality and valorization* »

16h30-16h50

Frédéric SANDRON {CEPED, IRD France}

« *5P: a research program for studying aging in La Reunion Island* »

16h50-17h10

Coffee Break - Meeting B2B

17h10-18h30

Conference closing

- Return of workshops
- Students awards
- Closing speeches : {INSERM}, **Martine HOSSAERT** {CNRS}, **Yves MARTIN-PREVEL** {IRD}

- Gilles BOETSCH {CNRS} « Ecologie de la santé et transition épidémiologique »

SATURDAY 16 DECEMBER 2017

Guests visit

Morning « *Vanilla plantation of Ste Suzanne* »

- Presentation of vanilla research projects associated, **Hippolyte KODJA** {UMR QualiSud}
- Lunch: « Village Bienvenue » in Sainte Marie (non définitif)

Afternoon « *Sugar cane factory and distillery of Savanah* »

- Presentation of sugar cane projects, **Bernard SIGMUND** {Ercane}

