

# JOURNÉES SCIENTIFIQUES DE L'UNIVERSITÉ DE NANTES

## Program at a glance ! "Extracellular Vesicles in Therapeutics & Healthy Diet"

Regional research from 6 laboratories

Talks & poster session

Inaugural conference

Towards the clinical use of  
« Nanoscale Extracellular Vesicles »  
in tumors.

*Stefano FAIS, National Institute of Health (ISS),  
Rome, Italy*

Mid-day conference

Red blood cell microparticles  
mediate vascular injury

*Olivier Blanc-Brude, INSERM U970,  
ParCC - Paris Cardiovascular Center*

Closing conference

Extracellular Vesicles &  
Blood-Brain communication

*Roosmarijn VANDENBROUCKE,  
University of Ghent,  
Belgium*

Location of "Colloque 7"  
on Extracellular Vesicles

La Cité, 5 Rue de Valmy,  
44000 Nantes

June 2nd 2017  
Journée de l'Université  
de Nantes



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## Symposium "Extracellular Vesicles in Therapeutics & Healthy Diet"

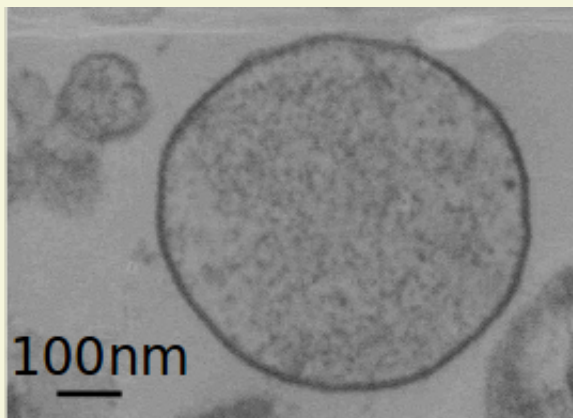
In few words ...

Recent research has demonstrated that all body fluids assessed contain substantial amounts of vesicles that range in size from 30 to 1000 nm and that are surrounded by phospholipid membranes containing different membrane microdomains.

Extracellular vesicles (EVs) have been mainly described depending on the mechanism of formation and physical characteristics, the most representative being exosomes and microparticles.

Nanosized EVs are released by almost all cell types and mediate targeted intercellular communication under physiological and pathophysiological conditions.

EVs have been proposed as biomarkers in a variety of diseases. Furthermore, according to their physical functions, EVs of selected cell types have been used as therapeutic agents in immune therapy, vaccination trials, regenerative medicine, drug delivery and are now considered as supplements in feeding. The current research of regional laboratories involved in this approach will be emphasized.



**Journée de l'Université de Nantes  
2 Juin 2017, La Cité**



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## Journée de l'Université de Nantes 2 Juin 2017, La Cité



## Symposium "Extracellular Vesicles in Therapeutics & Healthy Diet"

### Scientific committee

Ramaroson ANDRIANTSITOHAINA,  
INSERM U-1063

Steffi BÖSCH, EA 4644 ONIRIS  
Julie GAVARD, CRCINA

Valérie GEOFFROY, UMR-1229 RMeS  
Laetitia GUEVEL, UMR 703 PAnTher

Bertrand KAEFFER, UMR-1280  
Patricia PARNET, UMR-1280

Gilles SIMARD, INSERM U-1063



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# Journée de l'Université de Nantes 2 Juin 2017, La Cité

## Symposium

### "Extracellular Vesicles in Therapeutics & Healthy Diet"

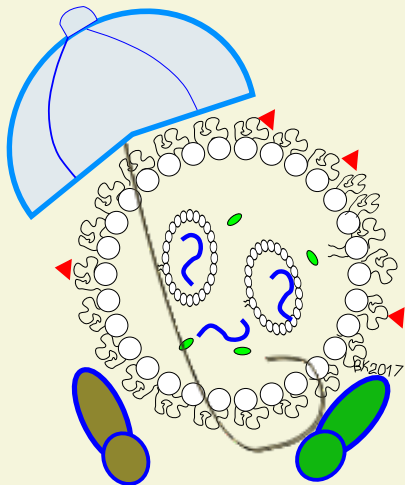
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#### Contact person

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Inscription on line pending  
Inscription dead-line: April 28th



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## Program

### "Extracellular Vesicles in Therapeutics & Healthy Diet"

Inaugural conference  
Towards the clinical use of  
"Nanoscale Extracellular Vesicles" in tumors.  
Stefano Fais, National Institute of Health (ISS),  
Rome, Italy

Extracellular vesicles in Therapeutics  
Carmen MARTINEZ, INSERM U-1063, Angers

EV Biomarkers and bioeffectors  
Ramaroson ANDRIANTSITOHAINA  
INSERM U-1063, Angers

Extracellular vesicles in autoimmune diabetes.  
Steffi BÖSCH EA 4644 ONIRIS

MuStem cell derived extracellular vesicles:  
potential roles in regenerative medicine.

Ailce RANNOU, UMR 703 PAnTher

Of Extracellular vesicles and bone.  
Valérie GEOFFROY, INSERM U-1229 - RMeS, Nantes

Mid-Day conference: Red blood cell  
microparticles mediate vascular injury  
Olivier Blanc-Brude, INSERM U970,  
ParCC - Paris Cardiovascular Center

Testing the transfer of miRNA by  
biologically-inspired delivery vehicles  
on the physiology of baby cells.  
Diane BEUZELIN, UMR-1280, Nantes



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## Symposium

### "Extracellular Vesicles in Therapeutics & Healthy Diet"

Extracellular vesicles and adipocyte metabolism: a  
new role in the pathologies associated with obesity?

Soazig LE LAY, INSERM U-1063, Angers

Exploring the impact of extracellular vesicles  
on the endothelial barrier and perivascular  
homeostasis. Julie GAVARD, CRCINA, Nantes

Closing conference  
EVs and Blood-Brain communication  
Roosmarijn VANDENBROUCKE,  
University of Ghent, Belgium

## With a helping hand from



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