

Axe Mer, Environnement et Développement Durable

Laboratoire MAPIEM
EA 4323

LABORATOIRE
MAPIEM

Comité d'organisation

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8^{es} journées scientifiques la RECHERCHE à l'Université



PALAIS NEPTUNE
TOULON Entrée libre
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8^{es} journées scientifiques la RECHERCHE à l'Université

Biofouling &
Antifouling III

Mercredi 16 avril
Salles 223 & 225
Faculté de droit



16 Mercredi
avril 2014

Plenary session

- 9h Introduction
C. Bressy / JF. Briand, MAPIEM, Univ. Toulon (15')
- 9h30 Barnacle cyprid adhesion : a target for fouling control
A. Clare, School of Marine Science and Technology, Newcastle University, UK (20' + 10')
- 10h The electrifying life of bacteria within biofilm : from basic research to technological exploitation
M. Faimali, ISMAR-CNR, Genova University, Italy (20' + 10')
- 10h30 Coffee break
- 11h Bacterial diversity in biofilms associated with marine corrosion of carbon and stainless steels
JF. Ghiglione, LOMIC, UMR CNRS 7621, Banyuls (20' + 10')
- 11h30 Marine-derived bacterial exopolysaccharides
C. Delbarre, EM3B, Ifremer Nantes (20'+10')
- 12h Lunch

Parallel sessions

Room 1 : Biofilms & biofouling

- 14h Unusual cell morphologies in biofilms of the clam pathogen *Vibrio tapetis*
A. Dufour, LBCM, UBS, Lorient (15'+10')
- 14h30 Effects of natural compounds on freshwater diatoms growth and adhesion
J. Leflaive, EcoLab - UMR 5245, Univ. Toulouse (15'+10')
- 15h Biofilm formation at the hydrocarbon-water interface : a strategy to assimilate poorly soluble substrates
R. Grimaud, IPREM-EEM, Univ. Pau (15'+10')
- 15h30 Coffee break
- 16h Adhesion and biofilm formation of marine bacteria
P. Vanovervelt, MAPIEM, Univ. Toulon (15'+10')
- 16h30 Study of antibiofilms activity of tropical microalgae extracts
C. Zea-Obando, LBCM, UBS, Lorient (15'+10')

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Room 2 : Antifouling surfaces

- 14h Use of a hyperthermophilic quorum quenching lactonase to prevent biofouling
E. Chabrière, URMITE UMR 6236, Aix Marseille Univ. (15' + 10')
- 14h30 Synthesis and biological evaluation of cationic polyesters as anti-bacterial and anti-biofilm agents
V. Darcos, UMR CNRS 5247 Univ. Montpellier 1, Montpellier (15'+10')
- 15h Development of biointerfaces resistant to protein fouling
C. Rodriguez, Academy of Sciences of the Czech Republic, Prague (15'+10')
- 15h30 Coffee break
- 16h Poly(e-caprolactone-co-d-valerolactone) : influence of molecular weight on antifouling activity
M. Lorient, LBCM, UBS, Lorient, (15'+10')
- 16h30 Seawater hydrolyzable graft and block PDMS-based copolymers : how does the architecture affect the antifouling performances of coatings ?
A. Margailan, MAPIEM, Univ. Toulon (15'+10')