

## **Frédéric BOSCHETTI**

*37 years old*

CHEMATECH

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### **CEO CHEMATECH**

#### **POSITION / EDUCATION**

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**Since December 2005** : Founder and CEO of CheMatech, Dijon, France

**Chemistry PhD, 2003** : Chelating agents chemistry, coordination chemistry, Institut of Molecular Chemistry, University of Burgundy, Dijon, France

#### **RESEARCH ACTIVITIES**

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Design and synthesis of chelating agents for medical imaging and therapy

**Key words** : Cyclen, DOTA, Molecular Imaging, PET, SPECT, MRI, bifunctional Chelating Agents.

#### **Selected publications :**

*A Top-Down Synthesis Route to Ultrasmall Multifunctional Gd-Based Silica Nanoparticles for Theranostic Applications*, Mignot, Anna; Truillet, Charles; Lux, Francois; Sancey, Lucie; Louis, Cedric; Denat, Franck; Boschetti, Frederic; Bocher, Laura; Gloter, Alexandre; Stephan, Odile; et al ; Chemistry - A European Journal (2013), 19(19), 6122-6136.

*Preclinical evaluation of anti-HER2 Affibody molecules site-specifically labeled with <sup>111</sup>In using a maleimido derivative of NODAGA*, Altai, Mohamed; Perols, Anna; Karlstroem, Amelie Eriksson; Sandstroem, Mattias; Boschetti, Frederic; Orlova, Anna; Tolmachev, Vladimir; Nuclear Medicine and Biology (2012), 39(4), 518-529.

*DOTAGA-Trastuzumab. A New Antibody Conjugate Targeting HER2/Neu Antigen for Diagnostic Purposes*, Moreau, Mathieu; Raguin, Olivier; Vrigneaud, Jean-Marc; Collin, Bertrand; Bernhard, Claire; Tizon, Xavier; Boschetti, Frederic; Duchamp, Olivier; Brunotte, Francois; Denat, Franck; Bioconjugate Chemistry (2012), 23(6), 1181-1188.

*Imaging of human epidermal growth factor receptor type 2 expression with <sup>18</sup>F-labeled affibody molecule ZHER2:2395 in a mouse model for ovarian cancer*, Heskamp, Sandra; Laverman, Peter; Rosik, Daniel; Boschetti, Frederic; van der Graaf, Winette T. A.; Oyen, Wim J. G.; van Laarhoven, Hanneke W. M.; Tolmachev, Vladimir; Boerman, Otto C.; Journal of Nuclear Medicine (2012), 53(1), 146-153

*Ultrasmall Rigid Particles as Multimodal Probes for Medical Applications*, Lux, Francois; Mignot, Anna; Mowat, Pierre; Louis, Cedric; Dufort, Sandrine; Bernhard, Claire; Denat, Franck; Boschetti, Frederic; Brunet, Claire; Antoine, Rodolphe; et al; Angewandte Chemie, International Edition (2011), 50(51), 12299-12303,