



UNIVERSITÀ  
DEGLI STUDI DI BARI  
ALDO MORO



DIPARTIMENTO DI  
BIOSCIENZE, BIOTECNOLOGIE  
E BIOFARMACEUTICA

*Una delle finalità della  
**Terza Missione Universitaria**  
è la valorizzazione economica della  
conoscenza, ossia la trasformazione della  
conoscenza prodotta dalla ricerca in  
conoscenza utile a fini produttivi.*

## VISITING PROFESSOR 2019

**Maurizio Bettiga** is senior researcher at Chalmers University of Technology and founder and owner of the consultancy company “EviKrets Biobased Processes Consultants”. Dr. Bettiga will spend 8 weeks at the department of Bioscience, Biotechnology and Biopharmaceutics as visiting professor during the remaining part of 2019. During his stay, Dr. Bettiga will collaborate with colleagues researchers at the department, as well as offer 2 courses to BSc and MSc students.



### PRESENTATION OF THE PLANNED RESEARCH AND EDUCATION ACTIVITIES.

***Maurizio Bettiga***

9 Luglio 2019, ore 11,00, Aula Magna Nuovo  
Palazzo Dipartimenti Biologici  
Campus Universitario, Bari



**CHALMERS**  
UNIVERSITY OF TECHNOLOGY

**Research** activities will be directed to the study and development of fermentation processes based on lignocellulosic waste material, with a focus on materials with high regional relevance. In addition, in synergy with current ongoing projects at Chalmers University of Technology, activities will be directed to the study and harnessing of the mechanisms of robustness in industrial microorganisms. Finally, **Dr. Bettiga** will contribute with elements of techno-economical modelling applied to existing projects in the group, in order to evaluate and possibly strengthen their industrial feasibility.

**Teaching** will include two courses and a series of seminars; the former will include : I) Biomass conversion and biorefining and II) Development of Industrial microorganisms, quantitative microbial physiology and bio reaction engineering. The seminars or mini-courses will include: I) Innovation in biotechnology; II) Bio-waste recovery; III) Process sustainability and techno economical evaluation.

The courses and mini-courses will be delivered by applying, as much as possible, the model of experiential learning, with project work, flipped classroom and peer evaluation experiences.

*Per i dottorandi del Corso di Dottorato in  
"Genomica e Proteomica Funzionale e  
Applicata" e per gli studenti di  
biotecnologie dei corsi di laurea triennali  
del III anno e magistrali, la partecipazione  
al seminario conferirà un attestato per il  
riconoscimento di 0.25 CFU.*

**Il Delegato del Direttore  
per la Terza Missione**

**Prof.ssa Isabella Pisano**