

# Habib BELAID

Ph.D.

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## EDUCATION

- 2016-2019**     **PhD in Material Science & Biology for health**, *University of Montpellier, France*
- 2014-2016**     **Master's Degree in Material Science (Nano and Multi materials)**, *University of Toulouse 3, France*
- 2011-2014**     **Degree in Physics and Chemistry, (Major: chemistry)**, *University of Aix-Marseille, France*
- 2009-2011**     **Medical studies**, *University of Aix-Marseille, France*
- 2009**            **High School diploma in Science « Baccaalaureat» (Major: Biology)**, *Jean-Perrin, Marseille, France*

## WORK EXPERIENCE

- 2016-**            **PhD – European Inst. Of Membrane (IEM)/ Research Inst. Of Cancerology (IRCM) - Montpellier, France**  
**New generation of 3D scaffolds for multiple drug delivery in the treatment of bone metastasis of breast cancers**  
- Techniques used: 3D printing (FDM, SLA, Polyjet, Bioprint), Emulsification, Injectable CPC.  
- Physicochemical Characterisations: TGA, DSC, XRD, Raman spectroscopy, SEM, EDX, FTIR, Mechanical properties, porosimetry, ATR, DLS, Granulometry, Rheometer, DMA, UV-spectroscopy.  
- In vitro experiments: Cell culture, MTT assay, Immunofluorescence, Gene expression.  
- In vivo experiments: Histology,  $\mu$ -CT.
- 2016**            **Internship (6 months) – European Inst. Of Membrane (IEM) – Montpellier, France**  
**3D printed new generation of scaffolds for controlled drug delivery and tissue engineering**  
- Technique used: 3D printing (FDM).  
- Characterisations: TGA, DSC, XRD, Raman spectroscopy, SEM, EDX, FTIR, Mechanical properties, porosimetry, ATR.
- 2015**            **Internship (6 weeks) – Centre for Material Engineering & Research (CIRIMAT) – Toulouse, France**  
*Laboratory of « Phosphates, Pharmaceutique et Biomateriaux »*  
**Characterization of polymeric microcapsules for biomedical cement**  
- Technique used: Spray-drier.  
- Characterisations: Optical microscopy, SEM, Confocal microscopy, swelling kinetics, granulometry.

## LANGUAGES AND COMPUTER SKILLS

- Languages**            French: Native speaker  
                                 English: B2
- Computer Skills**     Microsoft Office, CAD software, scientific software, 3D printing software.

## ACTIVITIES AND INTERESTS

<b>Hobbies</b>	Travelled extensively around Europe, music, cinema.
<b>Sport</b>	Soccer (Olympique de Marseille), Tennis, Gym.
<b>Volunteer</b>	<b>Conseil ED Sciences Chimiques Balard</b> , 2016 – 2019: Representative of PhD student <b>Association IEM-YCN</b> , 2016 – 2018: President, Association of IEM <b>Société Chimique de France</b> , 2016 – 2018: Treasurer, “RJ-SCF Occitanie-Méditerranée”
<b>Teaching</b>	<b>Bachelor in Chemistry (practical work)</b> , University of Montpellier, 2017-2019

## SCIENTIFIC OUTPUT

Nagarajan, S., **Belaid, H.**, Pochat-Bohatier, C., Teyssier, C., Iatsunskyi, I., Coy, E., ... & Cavallès, V. (2017). Design of Boron Nitride/Gelatin Electrospun Nanofibers for Bone Tissue Engineering. *ACS applied materials & interfaces*, 9(39), 33695-33706

## REFERENCES

### **Mikhael BECHELANY**

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### **Vincent CAVAILLÈS**

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