

## *Curriculum vitae*

Sobha Karuthedom George, MSc

### Personal Data

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**Date of birth** 30-10-1990, Kerala, India

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### Current Position, and work experience

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**since 03/2018 PhD student, Center for Biomedical Technology**

Danube University Krems, Krems, Austria

**01/2017–07/2017 Internship**

Khademhosseini Lab, Harvard-MIT Health Sciences and Technology,  
Massachusetts, United States

**04/2017 Student Helper**

11th annual Cambridge science festival, MIT Museum, Massachusetts,  
United States

**01/2016–06/2016 Project team member**

Project Tissue Engineering International, University of applied sciences,  
Technikum Wien, Vienna, Austria

**01/2015–04/2015 Internship**

Dept. Pathophysiology and Allergy Research, Medical University of Vienna,  
Vienna, Austria

### Education

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**09/2012 - 06/2015 Biomedical Engineering Bachelor's Degree Program**

University of applied sciences, Technikum Wien, Vienna, Austria

**09/2015 - 09/2017 Tissue Engineering and Regenerative Medicine Master's Degree Program**

University of applied sciences, Technikum Wien, Vienna, Austria

### Research Interests

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- Extracellular vesicles (Enrichment and characterization, functional studies (coagulation))
- Fabrication of biomaterial scaffolds (silicate, silk, fibrin and collagen)

## Awards

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- Marshall Plan Scholarship from the Austrian Marshall plan foundation (2017)

## Memberships in Professional Societies

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**ÖGMBT** Austrian Association of Molecular Life Sciences and Biotechnology,  
[www.oegmbt.ac.at](http://www.oegmbt.ac.at)

**ASEV** Austrian Society for Extracellular Vesicles, [www.asev.at](http://www.asev.at)

## Peer-Reviewed Articles

Marrella, A, Lee T Y, Lee D H, Karuthedom George S, Sylva D, Chawla A, Khademhosseini A, Jang H L. (2017). Engineering vascularized and innervated bone biomaterials for improved skeletal tissue regeneration. *Materials Today*. 21. 10.1016/j.mattod.2017.10.005.

Alarcin E, Lee T Y, Karuthedom George S, Mohammadi M, Brennan M, Lee D H, Marrella A, Zhang J, Sylva D, Zhang Y, Khademhosseini A, Jang H L (2018). Injectable shear thinning hydrogels for delivering osteogenic and angiogenic cells and growth factors. *Biomaterials Science*. 6. 10.1039/C8BM00293B.