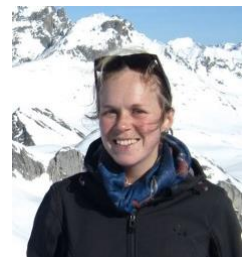


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Nationality: German/British



## JULIA RENATE FRANCES GREENFIELD

AGE: 28, DOB 05/08/1991

### PROFESSIONAL EXPERIENCE

#### Assistant Lecturer

*University of Grenoble Alpes, France*

Participation in teaching seminars, practical and support sessions

September 2019 – Present

#### Research Assistant

*University Medical Centre, Mainz, Germany*

Research assistant (biomechanical and numerical simulation for olecranon and tibia fracture fixation)

April 2014 – August 2015

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Masters placement (year 1)

April 2014 – May 2014

Research internship

June 2014

Masters placement (year 2)

February 2015–May 2015

Research internship

August 2015

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#### Outcome :

- Kuhn, Greenfield et al. 2015 (scientific article)
- Greenfield, Kuhn et al. 2015 (oral presentation and abstract)
- Greenfield, Lestriez, et al. 2016 (scientific article)
- Gruszka, Arand et al. 2017 (scientific article)

#### Post-graduate Internship

*Arthritis Research UK Centre for Sport, Excellence and Osteoarthritis, Nottingham, England*

Research assistant for an epidemiological project relating to osteoarthritis

June – September 2013

#### Outcome :

- Greenfield, Almond et al. 2015 (scientific article)
- Davies, Greenfield et al. 2016 (scientific article)

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### EDUCATION

#### Ph.D. Orthopaedic Biomechanics

*Claude Bernard University Lyon 1, France*

*in collaboration with University Medical Centre, Mainz, Germany*

October 2016 – September 2019

**Thesis Title:** Biomechanical assessment of distal tibia fracture reduction devices for supramalleolar corrective osteotomy fixation

#### M.Sc. Human Biomechanics, Ergonomics, and Clinical Research

*University of Reims Champagne-Ardenne, France,*

Grade: 2.1 (14.5/20)

September 2013 – June 2015

**Placements** carried out at *University Medical Centre, Mainz, Germany*

- **Year 2:** A biomechanical analysis of distal tibia fracture treatment : presentation of a new implant, its numerical model, and a physical biomechanical model for complex distal tibia fractures.
- **Year 1:** Biomechanical analysis of olecranon fracture treatment

#### B.Sc. (Hons) Sport and Exercise Science (Int)

*University of Leeds, England, grade: 2.1*

September 2009 – June 2013

Including : **Erasmus programme in Sport Science** at *Joseph Fourier University, Grenoble I, France*  
Grade: 2.2 (11.5/20 )

**A-levels:** Physical Education (grade A), French (grade A), Maths (grade B)

*Bilborough College, Nottingham, England*

June 2009

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**LANGUAGE SKILLS** English (native), French (Fluent), German (Advanced), Spanish (Intermediate), Italian (Intermediate)

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**SCIENTIFIC PUBLICATIONS**

**Publications in International Journals**

GRUSZKA D, ARAND C, GREENFIELD J, et al. Is the novel olecranon tension plate a valid alternative to tension band wiring of olecranon fractures? A biomechanical study on cadaver bones. *Arch Orthop Trauma Surg* 2017 doi: [10.1007/s00402-017-2760-5](https://doi.org/10.1007/s00402-017-2760-5)

GREENFIELD JRF, LESTRIEZ P, ARAND C, et al. A numerical model of the tension band wiring technique for olecranon fracture reduction. *Applied Mathematics and Computation* 2017. doi: [10.1016/j.amc.2016.10.016](https://doi.org/10.1016/j.amc.2016.10.016)

GREENFIELD JRF, ALMOND M, CLARKE GP, et al. Factors affecting school physical education provision in England: a cross-sectional analysis. *J Public Health* 2015. doi: [10.1093/pubmed/fdv032](https://doi.org/10.1093/pubmed/fdv032)

KUHN S, GREENFIELD J, ARAND C, et al. Treatment of distal intraarticular tibial fractures: a biomechanical evaluation of intramedullary nailing vs. Angle-stable plate osteosynthesis. *Injury. Int. J. Care injured* 2015. doi : [10.1016/s0020-1383\(15\)30026-7](https://doi.org/10.1016/s0020-1383(15)30026-7)

DAVIES E, GREENFIELD JRF, EDWARDS KL. Physical activity and sedentary behaviour in 12-13 year old children, stratified by sex, school type and residential deprivation score. *J Phys Ed Res* 2015.

**Publications related to congresses**

GREENFIELD JRF, KUHN S, MEHLER D, et al. Biomechanical evaluation of a new treatment method for distal tibia fractures. *Comput Methods Biomech Biomed Engin* 2015. doi: [10.1080/10255842.2015.1069582](https://doi.org/10.1080/10255842.2015.1069582) (Presentation at the 40<sup>th</sup> annual congress of the French Society of Biomechanics, Paris)

GREENFIELD JRF, MEHLER D, APPELMANN P, et al. Influence of boundary conditions on the mechanical testing of orthopaedic devices. (Poster at World Congress for Biomechanics, Dublin 2018)

GREENFIELD J, BRUYERE K, MEHLER D, et al. Influence of implant and screw type on local bone strain field. (Poster at the 44<sup>th</sup> annual congress of the French Society of Biomechanics, Poitiers, 2019)

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**ADDITIONAL SKILLS AND INFORMATION**

**Club president** June 2018 - Present  
*Lyon Floorball Club*  
- Club organisation, communication with national and international governing bodies, leadership and management

**Club secretary** July 2017 – June 2018  
*Lyon Floorball Club*  
- Club organisation, member enrolment, participation in meetings

**Gap Year travelling and volunteering** September 2015 – June 2016  
- Volunteer work, language learning and culture discovery in multiple countries across Europe and Asia

**REFERENCES****Assoc. Prof. Dr. Med. Sebastian KUHN**

Consultant in Orthopaedics and Accident Surgery

University Medical Centre, Mainz, Germany

[sebastian.kuhn@unimedizin-mainz.de](mailto:sebastian.kuhn@unimedizin-mainz.de)**Assoc. Prof. Karine BRUYERE-GARNIER**

Research director,

Laboratory for Biomechanics and Impact Mechanics

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