

# KEVIN GRAMAGE

Sport & exercise science researcher with a focus on human movement analysis currently searching for a PhD position.



## EDUCATION

SEP '20  
(Exp.)

### Master of Sport & Exercise Sciences

Technical University of Munich

📍 Munich, Germany

Focus in Biomechanics & Exercise biology. - Thesis: "The use of lower limb exoskeleton in patients with myopathies"

2017

### Bachelor of Sport Sciences

Universidad Politécnica de Madrid

📍 Madrid, Spain

Focus in Sports Training - Thesis: "[Perfil Antropométrico Y Fisiológico Del Jugador De Fútbol Americano](#)" Excellent with distinction grade



## RESEARCH EXPERIENCE

2019  
|  
Currently

### Internship -> MSc. Thesis

Institut de Myologie, Pitié-Salpêtrière Hospital

📍 Paris, France

- Evaluate the safety, usability, and acute efficiency of a powered knee-hip dermoskeleton in patients with neuromuscular disorders.
- Elaborate recommendations regarding usability criteria for safe and efficient use the device in patients with neuromuscular disorders (e.g. type and severity of patient's functional deficits).
- Generate necessary data to foresee a future study involving a home use of the device and assessment of long-term benefits.

2018  
|  
2019

### Student Assistant

Actibelt®, Trium Analysis Online GmbH

📍 Munich, Germany

- Gait analysis of patients with reduced mobility participating in clinical trials and produce clinical research studies.
- Video & accelerometer data processing using R statistical software.
- Synchronize actibelt® and video data using in-house annotation software.
- Assist on data collection during the trials performed with the actibelt®.



## RELEVANT COURSE PROJECTS

### Eccentric Maximum Voluntary Contractions

Muscle function and human movement | Individual project

- Intra-session and Inter-day comparison of EMVC.
- Use of Isomed® dynamometer, Myon320 mobile® EMG & proEMG®
- Poster DOI: [10.13140/RG.2.2.11515.46887](https://doi.org/10.13140/RG.2.2.11515.46887)



## CONTACT INFO

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## SKILLS

### Languages

Native / Proficient:

- Spanish, Catalan
- English (TOEFL 105)

Fluent:

- German, French

### Data Analysis & Programming







📊 R | RStudio

📁 GitHub [Check this CV's code!](#)

This resume was made with the R package [pagedown](#).

- **Personalized approach to exercise, diet & medical treatment**  
Exercise biology specialization | Group project
  - Pre-post analysis and comparison of an 8-week exercise intervention.
  - Personalized approach to exercise, diet and medical treatment.
  - *Gene expr., Body composition, Lactate, Wingate, VO2max, Ergometer*
- **Biomechanical methods and application**  
Group projects
  - "Anthropometric analysis & somatotype classification of a subject"
  - "2D kinematic analysis of lower extremity joints during the run"
  - "Effects of Post-Activation Potentiation (PAP) & fatigue on CMJ"
  - "Neuromechanical adaptation induced by elastic surface jumping"

## SELECT WORK & EXPERIENCE

- 2017 ● **City Hall Sports Intern**  
Sports Department  Alfaz del Pi, Alicante, Spain
  - Coordinate, organize and supervise sport events.
  - Assist international teams during their training camps, schedule & prepare the facilities.
- 2014 | 2016 ● **S&C Intern -> Coordinator of Youth Teams**  
Barbera Rookies  Barcelona area, Spain
  - Off. Coordinator and Strength & Conditioning coach of 1st Team. Conduct training sessions, practice design, game day play-caller.
  - Head Coach of U17 Team. Fundamentals training, game day planing, meeting with parents, players recruiting.
  - Responsible for coordination of 3 Sections, 6 Teams, 13 Coaches y +60 Players.
- 2014 | 2016 ● **Sales Assistant**  
Nike Inc., The Swatch Group, Jack&Jones  Barcelona, Spain
  - Customer care & claims management, brand marketing, product presentation, financial accounting, etc.
- 2013 | 2015 ● **Student Athlete**  
Pumas UNAM  Mexico City, Mexico
  - Played as RB & WR at the 1st Div. & won 2 Natl. Championships.
- 2011 | 2014 ● **Physical Education Teacher**  
Alventus - Plácido Domingo Primary School  Madrid, Spain
  - Extracurricular educator in several sport activities (Football, Basketball, etc) for groups of 15 kids between 4-7 years old.
  - Annual programming, parent feedback, motor skills evaluation, open-doors events organization.
- 2012 ● **Assistant Manager - Triathlon Event**  
Ecotrimad  Madrid area, España
  - Was part of the organization team during the previous days of the event and assisted the track section coordination on the event day.
  - Track assembly, volunteers coordination, athletes support (+600 participants).

## Human Movement Tools

### *Motion capture*

- Vicon
- Contemphas

### *IMUs*

- APDM | Opal
- Actibelt

### *Dynamometers*

- IsoMed
- Biodex

### *Force Plates*

- AMTI - Kistler

### *Signal analysis*

- LabChart
- proEMG

## REFERENCES

### **Florian Paternoster, PhD**

Assistant Researcher at  
Biomechanics Department,  
TUM Faculty of Sport Science

✉ [florian.paternoster@tum.de](mailto:florian.paternoster@tum.de)

### **Damien Bachasson, PhD, PT**

Research Scientist at  
Neuromuscular Physiology Lab,  
Institut de Myologie

✉ [d.bachasson@institut-myologie.org](mailto:d.bachasson@institut-myologie.org)

### **Prof. Martin Daumer, PhD**

Hon. Professor at TUM Faculty of  
Electrical & Computer Engineering  
CEO at Trium Analysis Online

✉ [daumer@slcmr.org](mailto:daumer@slcmr.org)

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