

# David De Wilde

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Gent  
Belgium

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*Looking for a new career opportunity from January 2016*

## Education

- 2009–2011 **Master of Science in Biomedical Engineering**, Ghent University,  
*summa cum laude.*  
*Thesis:* Modelling the impact of living donor liver transplantation on the liver blood circulation  
Student representative
- 2006–2009 **Bachelor of Science in Electromechanical Engineering**, Ghent University,  
*summa cum laude.*
- 2000–2006 **General Secondary Education (Latin-Mathematics-Science)**,  
Sint Ludgardis Merksem.

### Additional training

- Certified to work with laboratory animals in Belgium (KB 06.04.2010 Annex VII)
- Getting started with high-performance computing:  
Unix command line, shell and python scripting

## Experience

- 2011–2015 **PhD Researcher**, *Biofluid, Tissue and Solid Mechanics for Medical Applications (bioMMeda)*, Ghent University.  
**Title:** Integrated experimental and numerical study on the role of hemodynamics and biomechanics of vulnerable atherosclerotic plaques in a mouse model.  
**More info:** [www.biommeda.ugent.be/staff-biommeda/david-de-wilde](http://www.biommeda.ugent.be/staff-biommeda/david-de-wilde)  
**Acquired skills & competences:**
- Basic experimental expertise, planning and coordination
  - Automation of data processing and analysis
  - Mathematical and numerical modelling
  - Teaching concept and techniques (education of students and training of colleges)
  - IT know-how: Linux server maintenance, building a drupal website,...
- Award:** “*Outstanding Oral Presentation by a Young Scientist*”  
Conference - Computational Fluid Dynamics (CFD) in Medicine and Biology II

### Internships

- Aug–2010 **Internship**, *European Centre for Knee Research-Smith & Nephew*, Leuven.  
Implementation of algorithms described in scientific literature  
Automatic processing of measurements

## Summer Jobs

- Jul-2010 **Attendant**, *Day centre de Piramide-DBC Openluchtvoeding vzw*, Brasschaat.  
Jul-2009 Attendant in the day centre for physically disabled adults  
Aug-2008  
Aug-2007 **Worker**, *Beta Oils*, Schoten.  
Jul-2006 **Gardener**, *Town gardener service*, Brecht.

## Computer skills

- programming **Python, Linux**  
simulations **Fluent (CFD), Abaqus (FEA), Matlab**  
statistics **SPSS**  
medical **Mimics (segmentation), VMTK (segmentation)**  
web **Drupal**  
general **Microsoft Office, L<sup>A</sup>T<sub>E</sub>X**

[www.biommeda.ugent.be](http://www.biommeda.ugent.be)

## Competences

- Conceptual thinking
- Goal-oriented
- Helpful
- Broad region of interest
- Analytical thinking
- Solution focused
- (Self)critical
- Learning ability

## Languages

- Dutch **Native speaker**  
English **Good**  
French **Basic**

## Additional information

- 2006 **Driver's license B (car)**  
2001-present Percussionist in several orchestras  
hobbies Board games, ballroom dancing, swimming, reading

## References

PhD **Patrick Segers**, director bioMMeda, ☎ +3293323466, ✉ [patrick.segers@ugent.be](mailto:patrick.segers@ugent.be).