




GK 1631

Pioneers wanted for Berlin and Paris

MyoGrad, the first
structured graduate program
on muscle sciences
worldwide

A large white circle in the bottom right corner containing the MyoGrad logo and text. The logo consists of the word "MyoGrad" in a blue and green font, with a stylized blue and green icon to the right. Below the logo, the text reads "International Research Training Group for Myology Berlin | Paris".

MyoGrad
International Research
Training Group for Myology
Berlin | Paris



You want to start your **career**
as part of an **international network**?

You want to do research in
world leading laboratories
in two fascinating cities:
Berlin and Paris?

You want to participate in pioneering research involving
stem cell therapy, gene repair
most advanced visualization techniques
all focussed on devastating **muscle disorders?**

Apply to MyoGrad.

Overview

In November 2009 the German Research Foundation (Deutsche Forschungsgemeinschaft, DFG) established MyoGrad – the International Research Training Group for Myology. Partner institutions are the Free University, the Humboldt University of Berlin and the Medical Faculty of the Charité in Berlin together with the University Pierre et Marie Curie in Paris (Paris VI). Eighteen stipends for PhD or MD-PhD students and five stipends for MD students are available within the program.

MyoGrad offers the best internationally selected PhD and MD students an English curriculum that covers the entire spectrum of muscle-related cell and molecular biology as

well as clinical aspects of muscle diseases. In addition the program runs its own MD-PhD program to enroll future physician scientists.

It is associated with the Helmholtz Graduate School of Molecular Cell Biology for admission and transferable skills development, ensuring that PhD students receive a balanced education essential for long-term scientific success. Teaching in Summer School settings, continuous communication between students and teachers in seminars and journal clubs face-to-face and online and a myology “E-learning” platform are the cornerstones of the educational concept.

Participants:



Institut national de la santé et de la recherche médicale

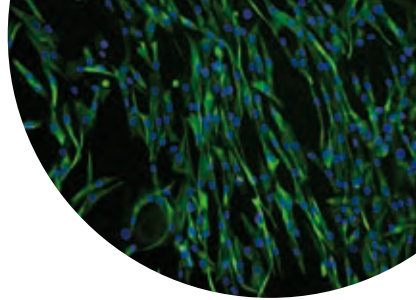
Scientific program

MyoGrad offers nine main research topics related to muscle sciences. Scientists from Berlin and Paris have designed each project together and supervise them jointly. The students perform experiments in the respective laboratories in Berlin and in Paris – making international exchange and exposure to different environments mutual parts of their scientific experience.

Paris	Projects	Berlin
<p>Helge Amthor MD PhD Institute of Myology, UPMC</p>	<p>P1: The function of myostatin on muscle physiology and oxidative metabolism</p>	<p>Prof Markus Schülke MD NEUROCURE Excellence Cluster, Charité</p>
<p>Vincent Mouly PhD Prof G. Butler-Browne MD PhD Institute of Myology, UPMC</p>	<p>P2: Regulatory mechanisms and function of the E3 ubiquitin ligase activity of muscle RING finger 1 and 3 in critical illness myopathy</p>	<p>Jens Fielitz MD Dept of Cardiology Charité</p>
<p>Frederic Relaix PhD Vincent Mouly PhD Institute of Myology, UPMC</p>	<p>P3: The role of transcriptional modulator skNAC in myogenic differentiation and muscle regeneration</p>	<p>Jun Prof Barbara Munz PhD Dept of Physiology Charité</p>
<p>Frederic Relaix PhD Helge Amthor MD PhD Institute of Myology, UPMC</p>	<p>P4: Directing Notch and BMP signaling as novel strategies towards a regenerative medicine in skeletal muscle</p>	<p>Prof Carmen Birchmeier PhD Max Delbrück Center for Molecular Medicine</p>

MyoGrad

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Berlin | Paris



Pierre Carlier MD PhD
Institute of Myology, UPMC

P5: Insulin signaling and metabolism in facioscapulohumeral muscular dystrophy

Prof Joachim Spranger MD
Dept of Endocrinology Charité
Michael Boschmann MD
Experimental and Clinical
Research Center Charité

Jean Cartaud PhD
Institut Jacques Monod, Paris VII
Louis Garcia PhD
Institute of Myology, UPMC
Martin Krahn MD
Human Genetics, University
of Marseille

P6: Transsplicing as an approach to gene repair in dysferlinopathy

Prof Simone Spuler MD
Experimental and Clinical
Research Center Charité

Ana Ferreiro MD PhD
Institute of Myology, UPMC

P7: Titin-M-band signaling in skeletal muscle health and disease

Prof Michael Gotthardt MD
Max Delbrück Center for Molecular
Medicine

Delphine Duprez PhD
Developmental Biology, UPMC

P8: Gene regulatory network by Odd skipped related genes in connective tissue - mediated control of muscle patterning

Sigmar Stricker PhD
Max Planck Institut for Molecular
Genetics

Gisèle Bonne PhD
Institute of Myology, UPMC

P9: LIM proteins in muscle and heart diseases

Christian Geier MD
Dept of Cardiology Charité

MyoGrad – International Research Training Group for Myology, GK 1631

Berlin



Prof Simone Spuler MD

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Experimental and Clinical Research Center
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Paris



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Applications can be directed to us or through the Helmholtz Graduate School for Molecular Cell Biology (www.mdc-berlin.de).