

Mathieu FISCHER

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"Graduate with an MSc in Drug Sciences,
I am seeking an employment in R&D"



22, rue du Wasen
68610 LAUTENBACH-ZELL
Haut-Rhin, France

24 years old
Born on 21 June 1991

Driving licence

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French nationality

Single
No children

PROFESSIONAL EXPERIENCE

2014

6-month internship

Institut de Recherches Servier, Unit of Therapeutic Innovation in Oncology
Croissy-sur-Seine (Yvelines, France)

Topic: Evaluation of the epithelial-mesenchymal transition in breast carcinoma cell lines

Work performed: Cell culture, migration and invasion assays, flow cytometry, immunofluorescence, western blotting

2013

2-month internship

U1116 INSERM laboratory - Acute and Chronic Cardiovascular Failures
Vandoeuvre-lès-Nancy (Meurthe et Moselle, France)

Topic: Influence of diet on the hemodynamics, vascular and metabolic properties of the SHHF murine model

Work performed: Metabolic cages, tissues and blood collection, zymography, histological fibrosis quantification, carotid intima-media thickness and medial cross-sectional area

2012

Phlebotomy Technician Certification 11-day internship

Etablissement Français du Sang (French National Blood Service)
Strasbourg (Bas-Rhin, France)

Work performed: Blood collection via venipuncture at the bend of the elbow, finger capillary puncture with hemoglobin dosage

2011

10-week internship

European Center for the Study of Diabetes and the Charles Sadron Institute
Strasbourg (Bas-Rhin, France)

Topic: Adjustment of a fixation and staining technique for intestinal mucosal cells

Work performed: Cell culture in inserts, TransEpithelial Electrical Resistance (TEER) measurement, fixation, embedding, and sectioning with microtome and cryostat, staining and observation of histological sections, insulin nanoparticles synthesis

EDUCATION

2013-2014

Second year of Master's degree, Drug Sciences, Pharmacology - Graduate with honors
University of Strasbourg (Bas-Rhin, France)

2012-2013

First year of Master's degree, Health Engineering and Drug Sciences, BioEngineering and Drugs
University of Lorraine (Meurthe et Moselle, France)

2011-2012

Bachelor's degree, Life sciences, Cell Biology and Physiology - Graduate with honors
University of Strasbourg (Bas-Rhin, France)

2009-2011

University Degree of Technology, Biological engineering, Biochemical and Biological Analyses
Graduate with honors
University Institute of Technology of Nancy-Brabois (Meurthe et Moselle, France)

PROFESSIONAL SKILLS

Languages

French: Mother tongue
English: European B2 level

German: "Deutsches Sprachdiplom" B1 level
Alsatian: Some notions

Informatics

MS Office, GraphPad Prism
NIS-Element Br, ImageJ, ZEN (capture and image analysis in microscopy)
IncuCyte ZOOM (cell proliferation, migration and invasion analysis)
Fujifilm Image Reader and MultiGauge, Bio-Rad image Lab (gel, blot capture and analysis)
MACSQuantify, WinMDI (flow cytometry data analysis)

In vivo

Rats: Restraint, anesthesia, euthanasia, cannulations (jugular veins, carotid arteries, common bile duct, intestines), measure of nervous and muscular electrical potentials, open field test, oral gavage, injection (sc, ip, iv), metabolic cages

Mice: Restraint, anesthesia, awakening, euthanasia, bronchoalveolar lavage, cells isolations (splenic, thymic and bone marrow cells), blood collections (tail vein, mandibular vein and retro-orbital), mouse ear swelling test, Courvoisier and Julou test, oral gavage, subcutaneous Alzet pump implantation, injections (sc, ip, im, iv), intranasal and intratracheal administration

In vitro

Exclusion and affinity chromatography, spectrophotometry, fluorometry
PCR, RFLP-PCR, RT-PCR, DNA and proteins extraction, Southern-Blot, Western-Blot, zymography
Flow cytometry, blood group typing, Coombs, immunofluorescence, ELISA, immunodiffusion
Kinetic migration and invasion assays on IncuCyte, hybridoma production, cell culture in inserts
Microtome, cryostat, staining

PERSONAL SKILLS

Initiative

Make practical suggestions and go the "extra mile" whenever it is required

Organization

Organize effectively to be more productive and to achieve greater results

Versatility

Adapt myself easily to new environment and demonstrate diversified skills

Problem solving

Effective problem solver with perseverance, ingenuity and creativity

Creativity

Initiate good innovative ideas with practical applications

Teamwork

Work harmoniously and effectively with others

CERTIFICATIONS

French Animal Experimentation Certification (level 1)

AFPS (French Basic Life Support)

AFGSU 2 (French Certificate of Training in Emergency First-Aid, level 2)

French Phlebotomy Technician Certification

ACTIVITIES AND INTERESTS

Music

Electronic organ (during 5 years), guitar (during 4 years)

Sports

Roller-skating, snow sports

Associative activities

Member of the non-profit computer association "Fenêtre sur le Web"

REFERENCES

Séverine SIGRIST

Manager of the European Center for the Study of Diabetes laboratory

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Research scientist in the U1116 INSERM laboratory

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Stéphane LEONCE

Project Manager at Institut de Recherches Servier, Unit of Therapeutic Innovation in Oncology

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