

Prof. Dr. Wim Declercq
Cell Death and Inflammation in the skin

Department of Biomedical Molecular Biology (Ghent University); Director: Prof. Dr. Johan Grooten
Inflammation Research Center (VIB); Director: Prof. Dr. Bart Lambrecht

Vacancy: Postdoc in the field of cell death and inflammation

Job description

The research group on Cell Death and Inflammation in the skin is studying different aspects of skin biology, including keratinocyte differentiation, and molecules involved in homeostasis and pathology of the skin. The research group is part of the Inflammation Research Center at the VIB and Ghent University.

Currently we have a job opening for a Postdoctoral fellow to investigate the involvement of peroxisomes and peroxisomal mediators in different models of skin inflammation. This knowledge may lead to the development of new experimental treatment strategies for skin inflammatory diseases.

The work will involve making use of cutting edge methods, including recombinant DNA technology, cell culture, analysis of gene and protein expression, use of transgenic and knockout mice, skin inflammation models.

Profile:

The applicant should hold a PhD in a field related to immunology, inflammation, cellular biology, biochemistry, have excellent laboratory skills and communication skills in English, enthusiasm in research and ability to work both independently and in a team environment. Experience in research using mouse models, skin biology or inflammation will be a plus.

How to apply:

Your application file should contain a motivation letter, CV and publication list, a summary of your previous research experience (max 1 page), and a reference letter of your PhD promoter. Your application should be submitted to **Veronique.Vandevoorde@irc.vib-UGent.be**

For more information, please contact: Prof. W. Declercq by email: **Wim.declercq@irc.vib-UGent.be**

Starting date: Negotiable

Period: 2 years contract with 2 years extension upon positive evaluation

Selected references to previous work:

1. Denecker, G, Hoste, E, Gilbert, B, Hochepped, T, Ovaere, P, Lippens, S, Van den Broecke, C, Van Damme, P, D'Herde, K, Hachem, J-P, Borgonie, G, Presland, RB, Schoonjans, L, Libert, C, Vandekerckhove, J, Gevaert, K, Vandabeele, P, **Declercq, W**. Caspase-14 protects against epidermal UVB photo-damage and water loss. *Nature Cell Biol* 9, 666-674, 2007.
2. **Declercq, W**; Vanden Berghe, T; Vandabeele, P. RIP Kinases at the Crossroads of Cell Death and Survival. *Cell* 138(2), 229-232, 2009 [ISI-IF= 31.25].
3. Lippens S, Lefebvre S, Gilbert B, Sze M, Devos M, Verhelst K, Vereecke L, Mc Guire C, Guérin C, Vandabeele P, Pasparakis M, Mikkola ML, Beyaert R, **Declercq W***, van Loo G*. Keratinocyte-specific ablation of the NF- κ B regulatory protein A20 (TNFAIP3) reveals a role in the control of epidermal homeostasis. *Cell Death Differ.* 2011 Dec;18(12):1845-53. doi: 10.1038/cdd.2011.55. Epub 2011 May 13. * **share senior authorship**
4. Hoste E, Denecker G, Gilbert B, Van Nieuwerburgh F, van der Fits L, Asselbergh B, De Rycke R, Hachem JP, Deforce D, Prens EP, Vandabeele P, **Declercq W**. Caspase-14-deficient mice are more prone to the development of parakeratosis. *J Invest Dermatol.* 2013 Mar;133(3):742-50. doi: 10.1038/jid.2012.350. Epub 2012 Sep 27.