

**PUBLICATIONS DES ÉQUIPES DE RECHERCHE DE**

**KU Leuven**

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**SUBVENTIONNÉES AVEC LES CRÉDITS DE LA  
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**VOLUME I**

**KATHOLIEKE UNIVERISTEIT LEUVEN**  
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**Prof. dr. Claudia BAGNI**

CLAUDIA BAGNI, FLORA TASSONE, GIOVANNI NERI and RANDI HAGERMAN.

**Fragile X syndrome: causes, diagnosis, mechanisms and therapeutics**

*The Journal of Clinical Investigation*, Vol. 122, Nr. 12, pp. 4314-4322. **Impact Factor: 13,069.**

**Prof. dr. Peter CARMELIET**

AN VERHEYEN, EVE PEERAER, RONY NUYDENS, JOKE DHONDT, KOEN POESEN, ISABEL PINTELON, ANNELEEN DANIELS, JEAN-PIERRE TIMMERMANS, THEO MEERT, PETER CARMELIET and DIETHER LAMBRECHTS

**Systemic anti-vascular endothelial growth factor therapies induce a painful sensory neuropathy**

*Brain*, Vol. 135, pp.2629-2641. **Impact Factor: 9.457.**

**Prof. dr. Danny HUYLEBROECK**

WENG Q, CHEN Y, WANG H, XU X, YANG B, HE Q, SHOU W, CHEN Y, HIGASHI Y, VAN DEN BERGHE V, SEUNTJENS E, KERNIE SG, BUKSHUN P, SHERR EH, HUYLEBROECK D, LU QR.

**Dual-mode modulation of Smad signalling by Smad-interacting protein Sip1 is required for myelination in the Central Nervous S.**

*Neuron*, Vol. 73, nr. 4, pp. 713-728. **Impact Factor: 15.766.**

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**Heterozygous missense mutations in SMARC2 cause Nicolaides-Baraitser syndrome.**

*Nature Genetics*, Vol. 44, Nr. 4, pp. 445-449. **Impact Factor: 35.209.**

SEGKLIA A, SEUNTJENS E, ELKOURIS M, TSALAVOS S, STAPPERS E, MITSIADIS TA, HUYLEBROECK D. REMBOUSIKA E, GRAF D.

**Bmp7 regulates the survival, proliferation, and neurogenic properties of neural progenitor cells during corticogenesis in the mouse.**

*PLoS One*, Vol. 7, nr. 3:e34088. **Impact Factor: 4.730.**

**Prof. dr. Peter JANSSEN**

TOM THEYS, PIERPAOLA PANI, JOHANNES VAN LOO, JAN GOFFIN and PETER JANSSEN  
**Selectivity for three-dimensional shape and grasping-related activity in the macaque ventral premotor cortex**  
*The Journal of Neuroscience*, Vol. 32, Nr. 35, pp. 12038-12050. **Impact Factor: 7.000.**

ELSIE PREMEREUR, WIM VANDUFFEL and PETER JANSSEN  
**Local field potential activity associated with temporal expectations in the macaque lateral intraparietal area**  
*Journal of Cognitive Neuroscience*, Vol. 24, Nr. 6, pp. 1314-1330. **Impact Factor: 5.300.**

BRAM-ERNST VERHOEF, RUFIN VOGELS and PETER JANSSEN  
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*Neuron*, Vol. 73, pp. 171-182. **Impact Factor: 14.000.**

TOM THEYS, SIDDHARTH SRIVASTAVA, JOHANNES VAN LOO, JAN GOFFIN and PETER JANSSEN  
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*Journal of Neurophysiology*, Vol. 107, pp. 995-1008. **Impact Factor: 3.500.**

## **Universiteit Antwerpen** (UA)

**Prof. dr. Marc CRUTS**

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*Lancet Neurology*, Vol. 11: 54-65. **Impact Factor.: 23.917.**

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**The genetics and neuropathology of frontotemporal lobar degeneration.**  
*Acta Neuropathologica*, Vol. 124: 353-372. **Impact Factor.: 9.734.**

THEUNS,J., VAN BROECKHOVEN,C. and **CRUTS,M.**  
**Locus-specific mutation databases for neurodegenerative brain diseases.**  
*Human Mutation*, Vol. 33: 1340-1344. **Impact Factor.: 5.686.**

**Prof. dr. Vincent TIMMERMAN**

ANNE HOLMGREN, DELPHINE BOUHY and VINCENT TIMMERMAN.

**Molecular biology of small heat shock proteins associated with peripheral neuropathies**  
*Genetics and Disease*, eLS, pp. 1-10. **No impact factor** for Encyclopedia of Life Sciences (eLS)  
 because this is an electronic journal!

MAGDALENA ZIMON, JONATHAN BAETS, LEONARDO ALMEIDA-SOUZA, ELS DE VRIENDT, JELENA NIKODINOVIC, YESIM PARMAN, ESRA BATTALOGU, ZELIHA MATUR, VELINA GUERGUELTCHEVA, IVAILO TOURNEV, MIDHAELA AUER-GRUMBACH, PETER DE RIJK, BRITT-SABINA PETERSEN, THOMAS MULLER, ERIK FRANSEN, PHILIP VAN DAMME, WOLFGANG N LÖSCHER, NINA BARISIC, ZOEAN MITROVIC, STEFANO C PREVITALI, HALUK TOPALOGU, GÜNTHER BERNERT, ANA BELEZA-MEIRELES, SLOBODANKA TODOROVIC, DUSANKA SAVIC-PAVICEVIC, BORYANA ISHPEKOVA, SILVIA LECHNER, KRISTIEN PEETERS, TINNE OOMS, ANGELIKA F HAHN, STEPHAN ZÜCHER, VINCENT TIMMERMAN, PATRICK VAN DIJCK, VEDRANA MILIC RASIC, ANDREAS R JANECKE, PETER DE JONGHE and ALBENA JORDANOVA

**Loss-of-function mutations in *HINT1* cause axonal neuropathy with neuromyotonia**  
*Nature Genetics*, Vol. 44, nr. 10, pp. 1080-1083 - Epub: 09-Sep-2012. **Impact Factor: 35.209.**

ANNELIES ROTTHIER, JONATHAN BAETS, VINCENT TIMMERMAN and KATRIEN JANSSENS  
**Mechanisms of disease in hereditary sensory and autonomic neuropathies**  
*Nature Reviews Neurology*, Vol. 8, nr. 2, pp. 73-85 (2012) Epub: 24-Jan-2012. **Impact Factor: 15.518.**

ANNE HOLMGREN, DELPHINE BOUHY and VINCENT TIMMERMAN.

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*Journal of the Pheripheral Nervous System*, Vol. 17, pp. 365-376. **Impact factor: 2.570.**

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VINCENT TIMMERMAN, VIRGINIA E. CLOWES and EVAN REID

**Overlapping molecular pathological themes mink Charcot-Marie-Tooth neuropathies and hereditary spastic paraplegias.**

*Experimental Neurology* 246: 14-25. Epub: 18-Jan-2012. **Impact Factor: 5.213.**

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***Drosophila* as a platform to predict the pathogenicity of novel aminoacyl-tRNA synthetase mutations in CMT.**

*Amino Acids*, Vol. 42, nr. 5, pp. 1661-1168. Epub: 08-Mar-2011 (PMID: 21384131).

**Impact Factor: 3.914.**

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**Transcriptional Mechanisms of EphA7 Gene Expression in the Developing Cerebral Cortex.**  
*Cerebral Cortex*, Vol. 22, nr. 7, pp.1678-1689. **Impact Factor: 6.280.**