

## Curriculum vitae

Dr. med. Marc Jean Berna

### Diplômes et Formation

<b>2010-2008</b>	Chief resident du Centre de Médecine Interne de Hamburg-Eppendorf
<b>décembre 2010 - juillet 2002</b>	<u>Internat / Clinicat:</u> Medizinische Klinik I (Gastroenterologie), Universitätsklinikum Hamburg-Eppendorf
<b>août 2007 - janvier 2005</b>	<u>Post-Doctorat:</u> Digestive Diseases Branch des National Institutes of Health, Bethesda, Maryland.
<b>mai 2002 - septembre 2000</b>	<u>Doktorat:</u> „Magna cum laude“, Universität Bonn avec la dissertation „Effekt konstitutiv-aktiver und dominant-negativer TGF-beta Typ II Rezeptoren in humanen HCC-Zelllinien“
<b>mai 2002 - septembre 2000</b>	Rheinische Friedrich-Wilhelms-Universität Bonn
<b>septembre 2000</b>	Certificat de synthèse clinique et thérapeutique
<b>juillet – septembre 2000</b>	Concours de l'internat, nomination pour médecine interne Université de Montreal, Canada
<b>1997-2000</b>	Maîtrise de Sciences Biologiques et Médicales (ULP, Strasbourg)
<b>1995-2000</b>	Université Louis Pasteur, Strasbourg
<b>1994 -1995</b>	Centre Universitaire de Luxembourg, Section médecine

### Parcours professionnel

<b>Depuis novembre 2014</b>	Directeur Médical, pôle Viscéral-Oncologie, HRS
<b>Depuis décembre 2009</b>	Facharzt für Innere Medizin (Ärztchamber Hamburg)
<b>Depuis janvier 2011</b>	Médecin agréé, Centre Hospitalier Kirchberg (devenu Groupe HRS)
<b>Depuis juin 2010</b>	Schwerpunkt Gastroenterologie (Ärztchamber Hamburg)

### Langues

Luxembourgeois langue maternelle, Allemand C2, Français C2, Anglais C2

### Sociétés professionnelles

<b>Depuis 2017</b>	Vice-président conseil d'administration Institut National du Cancer
<b>Depuis 2014</b>	Membre du Conseil d'Administration du Centre François Baclesse
<b>Depuis 2019</b>	Président, Société Luxembourgeoise de Gastro-Entérologie

### Enseignement/conférences/recherche

<b>Depuis 2019</b>	Weiterbildungsbefugnis Innere Medizin (1 Jahr) und Gastroenterologie (1 Jahr), Ärztekammer Saarland
<b>Depuis 2019</b>	Principle Investigator, étude pilote PFP, Luxembourg Institute of Health
<b>Depuis 2016</b>	Maître de stage, formations en médecine générale, Université de Luxembourg

### Listes des publications

Travaux originaux:

- Ito T, Igarashi H, Uehara H, Berna MJ, Jensen RT. Causes of death and prognostic factors in multiple endocrine neoplasia type 1: a prospective study: comparison of 106 MEN1/Zollinger-Ellison syndrome patients with 1613 literature MEN1 patients with or without pancreatic endocrine tumors. *Medicine (Baltimore)*. 2013 May;92(3):135-81
- Grierson R, Meyer-Rüsenberg B, Kunst F, Berna MJ, Richard G, Thill M. Endothelial progenitor cells and plasma vascular endothelial growth factor and stromal cell-derived factor-1 during ranibizumab treatment for neovascular age-related macular degeneration. *J Ocul Pharmacol Ther*. 2013 Jul-Aug;29(6):530-8. doi: 10.1089/jop.2012.0013. Epub 2013 Apr 10.
- Thill M\*, Berna MJ\*, Grierson R, Reinhart I, Voelkel T, Piechaczek C, Galambos P, Jager MJ, Richard G, Lange C, Gehling UM. Expression of CD133 and other putative stem cell markers in uveal melanoma. Angenommen zur Publikation bei *Melanoma Research*, Mai 2011. (\*: gleichberechtigte Co-Autoren).

4. Sancho V, Berna MJ, Thill M, Jensen RT. PKC $\theta$  activation in pancreatic acinar cells by gastrointestinal hormones/neurotransmitters and growth factors is needed for stimulation of numerous important cellular signaling cascades. *Biochim Biophys Acta*. 2011 Jul 23. [Epub ahead of print].
5. Hennigs JK, Seiz O, Spiro J, Berna MJ, Baumann HJ, Klose H, Pace A. Molecular basis of P2-receptor-mediated calcium signaling in activated pancreatic stellate cells. *Pancreas*. 2011 Jul;40(5):740-6.
6. Thill M, Berna MJ, Kunst F, Wege H, Strunnikova NV, Gordiyenko N, Grierson R, Richard G, Csaky KG. SU5416 induces premature senescence in endothelial progenitor cells from patients with age-related macular degeneration. *Mol Vis*. 2011 Jan 10;17:85-98.
7. Berna MJ, Seiz O, Nast JF, Benten D, Blaeker M, Koch J, Lohse AW, Pace A. CCK1- AND CCK2-RECEPTORS ARE EXPRESSED ON PANCREATIC STELLATE CELLS AND INDUCE COLLAGEN PRODUCTION. *J Biol Chem*. 2010 Dec 10;285(50):38905-14. Epub 2010 Sep 14.
8. Thill M, Berna MJ, Kunst F, Wege H, Strunnikova NV, Gordiyenko N, Grirson R, Richard G, Csaky KG. SU5416 down-regulates telomerase activity and induces premature senescence in endothelial progenitor cells from patients with neovascular AMD. In press, *Molecular Vision*, August 2010
9. Moody TW, Berna MJ, Mantey S, Sancho V, Ridnour L, Wink DA, Chan D, Giaccone G, Jensen RT. Neuromedin B receptors regulate EGF receptor tyrosine phosphorylation in lung cancer cells. *Eur J Pharmacol*. 2010 Jul 10;637(1-3):38-45. Epub 2010 Apr 11.
10. Moody TW, Switzer C, Santana-Flores W, Ridnour LA, Berna M, Thill M, Jensen RT, Sparatore A, Del Soldato P, Yeh GC, Roberts DD, Giaccone G, Wink DA. Dithiolethione modified valproate and diclofenac increase E-cadherin expression and decrease proliferation of non-small cell lung cancer cells. *Lung Cancer*. 2010 May;68(2):154-60. Epub 2009 Jul 23.
11. Berna MJ, Tapia JA, Sancho-Bornez V, Thill M, Pace A, Hoffmann KM, Jensen RT. Gastrointestinal Hormones and Growth Factors have divergent effects on Akt signaling. *Cell Signal*. 2009 Apr;21(4):622-38. Epub 2009 Jan 7.
12. Thill M, Strunnikova N, Berna MJ, Gordiyenko N, Schmid K and Csaky KG. Late outgrowth endothelial progenitor cells in patients with age-related macular degeneration. *Invest Ophthalmol Vis Sci* (2008) vol. 49 (6) pp. 2696-708
13. Norton JA, Venzon DJ, Berna MJ, Alexander HR, Fraker DL, Libutti SK, Marx SJ, Gibril F, Jensen RT. Prospective study of surgery for primary hyperparathyroidism (HPT) in multiple endocrine neoplasia-type 1 and Zollinger-Ellison syndrome: long-term outcome of a more virulent form of HPT. *Ann Surg*. 2008 Mar;247(3):501-10.
14. Berna MJ, Annibale B, Marignani M, Luong TV, Pace A, Liewehr D, Venzon DJ, Delle Fave G, Bordi C, Jensen RT. A prospective study of gastric carcinoids and enterochromaffin-like cell changes in Multiple Endocrine Neoplasia Type I and Zollinger-Ellison Syndrome. *Journal of Clinical Endocrinology and Metabolism*, 2008 Februar 12.
15. Long SH\*, Berna MJ\*, Pace A, Pradhan TK, Hoffmann KM, Serrano J, Jensen RT. Secretin-receptor variant expression in Gastrinomas: Correlation with clinical and tumoral features and secretin and calcium provocative test results. *Journal of Clinical Endocrinology and Metabolism*, 2007. 92(11):4394-4402 (\*: gleichberechtigte Co-Autoren).
16. Berna MJ, Hoffmann KM, Tapia JA, Thill M, Jensen RT. Gastrointestinal hormones cause PKD1 activation by signaling through PKC-delta and novel PKC-independent pathways. *Biochim Biophys Acta*, 2007.1773(4):p.483-501.
17. Berna MJ, Hoffmann KM, Long SH, Serrano J, Gibril F, Jensen RT. Serum Gastrin in Zollinger-Ellison Syndrome: II. Prospective Study of Gastrin Provocative Testing in 293 Patients From the National Institutes of Health and Comparison With 537 Cases From the Literature. Evaluation of Diagnostic Criteria, Proposal of New Criteria, and Correlations With Clinical and Tumoral Features. *Medicine (Baltimore)*. 2006 Nov;85(6):331-364.
18. Berna MJ, Hoffmann KM, Serrano J, Gibril F, Jensen RT. Serum Gastrin in Zollinger-Ellison Syndrome: I. Prospective Study of Fasting Serum Gastrin in 309 Patients From the National Institutes of Health and Comparison With 2229 Cases From the Literature. *Medicine (Baltimore)*. 2006 Nov;85(6):295-330.
19. Hoffmann KM, Tapia JA, Berna MJ, Thill M, Braunschweig T, Mantey S, Moody T, Jensen RT. Gastrointestinal hormones cause rapid c-Met receptor down-regulation by a novel mechanism involving clathrin-mediated endocytosis and a lysosome dependent mechanism. *J Biol Chem*. 2006 Oct 10
20. Gehling UM, Willems M, Dandri M, Petersen J, Berna M, Thill M, Wulf T, Muller L, Pollok JM, Schlagner K, Faltz C, Hossfeld DK, Rogiers X. Partial hepatectomy induces mobilization of a unique population of haematopoietic progenitor cells in human healthy liver donors. *J Hepatol*. 2005 Nov;43(5):845-53
21. Musch A, Rabe C, Paik MD, Berna MJ, Schmitz V, Hoffmann P, Nischalke HD, Sauerbruch T, Caselmann WH. Altered expression of TGF-beta receptors in hepatocellular carcinoma--effects of a constitutively active TGF-beta type I receptor mutant. *Digestion*. 2005;71(2):78-91
22. Rabe, C., T. Gramann, X. Sons, M. Berna, M. A. Gonzalez-Carmona, H. U. Klehr, T. Sauerbruch and W. H. Caselmann (2002). "Keeping Central Venous Lines Open: A Prospective Comparison of Heparin, Vitamin C and Sodium Chloride Sealing Solutions in Medical Patients." *Intensive Care Med* 28(8): 1172-6.
23. Rabe, C., T. Pilz, C. Klostermann, M. Berna, H. Schild, T. Sauerbruch and W. Caselmann (2001). "Clinical Characteristics and Outcome of a Cohort of 101 Patients with Hepatocellular Carcinoma." *World J Gastroenterol* 7(2): 208-215.

#### Travaux de synthèse:

1. Jensen RT, Berna MJ, Bingham DB, Norton JA. Inherited pancreatic endocrine tumor syndromes: advances in molecular pathogenesis, diagnosis, management, and controversies. *Cancer*. 2008 Oct 1;113(7 Suppl):1807-43.
2. Berna MJ, Tapia JA, Sancho V, Jensen RT. Progress in developing cholecystokinin (CCK)/gastrin receptor ligands that have therapeutic potential. *Current opinion in pharmacology* (2007) vol. 7 (6) pp. 583-92.
3. Berna MJ, Jensen RT. Role of CCK/Gastrin Receptors in Gastrointestinal/Metabolic Diseases and Results of Human studies using Gastrin/CCK Receptor Agonists/Antagonists in these Diseases. *Current Topics in Medicinal Chemistry*, 2007,7,1211-1231.