

TAKAM KAMGA Paul

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PhD, Post-doctoral fellow

Department of Medicine, Section of
Haematology, Stem Cell Research
Laboratory, University of Verona, Italy

RESEARCH INTEREST

My research aims to investigate *in vitro* and in mice xenograft models of AML and B-ALL, the ability of Notch and Wnt modulators to overcome stromal microenvironment promotion of AML and B-ALL cells chemo-resistance.

EDUCATION AND RESEARCH TRAINING

PhD in Human Oncological Pathology and Stem Cell Department of Medicine University of Verona, Italy.	Dec 2015
M.Sc in physiology and cell biology (First and Second year program) Emphasis in Genetics, Molecular and Cell biology University of Poitiers, France.	June 2011
B.Sc in Biochemistry (minor in chemistry) University of Douala Cameroon.	September 2008

RESEARCH EXPERIENCE

Stem cell research lab Verona: Post-doctoral fellow Project: Assessment of the contribution of Notch and Wnt/ β -catenin pathway modulators to AML and B-ALL chemosensitivity.	Jan 2015-
Stem cell research lab Verona: Graduate Research Assistant Project: contribution of Notch and Wnt/ β -catenin to MSCs-controlled AML cell chemoresistance.	Jan 2013-2015
Life Sciences Institute Vancouver: Graduate Research assistant Project: Study of Cx43 and Panx1 hemichannel in immune and glioma cells, and their implication in cytoskeleton dynamics.	Marc 2012-Sep2012
University of Poitiers: Engineer Project: Optimization of the transfection of neuroblastoma cell lines with shRNA.	Oct 2011- Fev 2012
UMR 6187 CNRS : Graduate research assistant Project: Functional consequences of the overexpression of the Vasoactive Intestinal Peptide (VIP)	April 2010-June 2011

Ministry of health: Biomedical Research assistant Project: Interdisciplinary assessment of diabetic complications.	July-Sept 2009
Ministry of health Cameroun: Undergraduate research assistant Project: Biochemical aspects for optimal management of diabetic's patients.	July-Aug 2008

TECHNICAL SKILLS

Tissue culture; Functional Genomics; Cell Imaging (Confocal and epifluorescent imaging), Analysis of Gene expression: Western blot, PCR, FACS analysis; Bioinformatics: Gen bank Searching; Multiple sequence Alignment; Protein Sequence Analysis; Project Management; Animal experiments.

SUPERVISORY SKILLS

Chemistry Academic tutor at the University of Poitiers. 2010-2011

LANGUAGES

French (Native language), English (good), Italian (good), German (basic)

HOBBIES

Biking, History and Geopolitic, Music, Taekwondo, Football.

ARTICLES

- 1- Di Trapani, M., Bassi, G., Midolo, M., Gatti, A., **Kamga, P.T.**, Cassaro, A., Carusone, R., Adamo, A., and Krampera, M. (2016). Differential and transferable modulatory effects of mesenchymal stromal cell-derived extracellular vesicles on T, B and NK cell functions. *Sci. Rep.* 6, 24120.
- 2- **Takam Kamga, P.**, Bassi, G., Cassaro, A., Midolo, M., Di Trapani, M., Gatti, A., Carusone, R., Resci, F., Perbellini, O., Gottardi, M., et al. (2016). Notch signalling drives bone marrow stromal cell-mediated chemoresistance in acute myeloid leukemia. *Oncotarget*.
- 3- Fodouop, S.P.C., Simo, R.T., Amvene, J.M., Talla, E., Etet, P.F.S., **Takam, P.**, Kamdje, A.H.N., and Muller, J.-M. (2015). Bioactivity and Therapeutic Potential of Plant Extracts in Cancer and Infectious Diseases. *J. Dis. Med. Plants* 1, 8.

BOOK CHAPTERS

- 1- A.H. Nwabo Kamdje, P.F. SekeEtet, **P. TakamKamga**, J.M. Muller, G. Bassi, K.E. Lukong, R. Kumar Goel, M. Krampera. Mesenchymal Stromal Cells as Tumor Stromal Modulators: Mesenchymal stem/stromal cell trafficking and homing. Elsevier Editor, 2016.

ABSTRACTS AT CONGRESSES

- 1- **P. Takam Kamga**, A. Cassaro, G. Bassi, G. Dal Collo, A. Adamo, A. Gatti, M. Midolo, R. Carusone, M. Di Trapani, F. RESCI, M. Bonifacio, Mauro Krampera.as a Multi-target therapy to Overcome Bone Marrow Microenvironment-Mediated Drug Resistance in AML. **Accepted for oral communication, XIV Congress of the Italian Society of Experimental Hematology, 19-21th October 2016.**
- 2- **P. Takam Kamga**, A. Cassaro, G. Bassi, G. Dal Collo, A. Adamo, A. Gatti, M. Midolo, R. Carusone, M. Di Trapani, F. RESCI, M. Bonifacio, Mauro Krampera.Rational Targeting of Wnt/ β -catenin Signalling in Acute Myeloid Leukaemia (AML). **Accepted for oral communication, XIV Congress of the Italian Society of Experimental Hematology, 19-21th October 2016.**
- 3- **P. Takam Kamga**, A. Cassaro, G. Bassi, G. Dal Collo, A. Adamo, A. Gatti, M. Midolo, R. Carusone, M. Di Trapani, F. RESCI, M. Bonifacio, Mauro Krampera. Role of GSK-3 Signalling in non-promyelocytic Acute Myeloid Leukaemia (cells) Response to Chemotherapy. **Accepted for poster presentation, XIV Congress of the Italian Society of Experimental Hematology, 19-21th October 2016**
- 4- **P Takam Kamga**, G Bassi, A Cassaro, A Adamo, A Gatti, G Dal Collo, M Midolo, R Carusone, M Di Trapani, M Bonifacio, M Krampera. Notch Signalling Inhibition as a Multi-target therapy to Overcome Bone Marrow Microenvironment-Mediated Drug Resistance in AML. **Poster 550, 21st congress of European Haematology.** Haematologica | 2016; 101(s1) | 207
- 5- **Kamga, P.T.**, Bassi, G., Cassaro, A.C., Stradoni, R., Midolo, M., Perbellini, O., and Krampera, M. (2015). Role of Stromal cell-mediated Notch Signaling in AML survival and resistance to chemotherapy. **Poster presentation 21st ISCT Annual Meeting.**Cytotherapy 17, S38.
- 6- **P Takam Kamga**, Giulio Bassi, Adriana Cassaro, Roberta Stradoni, Martina Midolo, Marianno Di Trapani, Francesca Canella, Roberta Carusone, Alessandro Gatti, Omar Perbellini, Michelle Gottardi, Mauro Krampera. Rational targeting of Notch signalling in Acute Myeloid Leukaemia. **Poster 550, 20th congress of European Hematology Association .**Haematologica | 2015; 100(s1)
- 7- **Kamga, P.T.**, Giulio, B., Cassaro, A., Stradoni, R., Midolo, M., Perbellini, O., and Krampera, M. (2014). Role of Stromal Cell-Mediated Notch Signaling in AML Resistance to Chemotherapy. **Poster Presentation, 57th American Hematology Association Annual Meeting.** Blood 124, 1044–1044.
- 8- Bernardi, S., Tononi, P., Vargas, S.M., Bassi, G., **Kamga, P.T.**, Perbellini, O., Ambrosetti, A., Meneghini, V., Scaffidi, L., Martinelli, G., et al. (2014). Genomic Analysis of Notch Mutations in a Case of Alagille Syndrome with Acute Lymphoblastic Leukemia. **Poster Presentation, 57th American Hematology Association Annual Meeting.** Blood 124, 5338–5338.

- 9- Bassi, G., **Kamga, P.T.**, Kamdje, A.N., Stradoni, R., Malpeli, G., Amati, E., Nichele, I., Carusone, R., Jasmina, Z., Pizzolo, G., et al. (2014). Role of Stromal Cell-mediated Notch Signalling in Haematological malignancies. **Poster Presentation 21st ISCT Annual Meeting**. Cytotherapy 16, S79.
- 10- **Kamga, P.T.**, Kamdje, A.N., Stradoni, R., Malpeli, G., Amati, E., Nichele, I., Carusone, R., Zanoncello, J., Pizzolo, G., and Krampera, M. (2013). Role of Stromal Cell-Mediated Notch Signaling In Hematological Malignancies. Poster Presentation, 56th American Hematology Association Annual Meeting. Blood 122, 4939–4939.

AWARDS:

- 1- Winner of the Italian Society of Experimental Haematology travel grant for the 14th annual congress (October 2016)
- 2- Winner of European Haematology association travel grant for the 20th annual congress (June 2015)