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**Education**

2003	PhD	Genetics/ Molecular Biology	Jawaharlal Nehru University (JNU)- Centre for Cellular and Molecular Biology (CCMB)-India
1998	PhD	Biochemistry	University of Yaoundé-I-Cameroon
1993	MSc.	Biochemistry	University of Yaoundé-Cameroon
1991	BSc.	Zoology	University of Yaoundé-Cameroon

**Research Support**

- NIH/NIMHD-RCMI-CEH Grant # G12MD007581-18 PI: Noubissi 03/01/2016-02/28/2017  
Pilot Project Program  
“Targeting CRD-BP to overcome resistance of colorectal cancer to chemotherapy”
- 1R21CA153102-01 PI: Noubissi 09/01/2010-06/30/2013  
NIH/NCI  
“Role of CRD-BP in Basal Cell Carcinoma Development”
- Research Career Development Award PI: Noubissi 2010  
Dermatology Foundation  
“Role of CRD-BP in Basal Cell Carcinoma Development”

**Publications**

- McArdle TJ, Ogle BM, **Noubissi FK\***. An *In Vitro* Inverted Vertical Invasion Assay to Avoid Manipulation of Rare or Sensitive Cell Types. *J Cancer*. 2016; 7(15):2333-2340. doi: 10.7150/jca.15812. Available from <http://www.jcancer.org/v07p2333.htm>  
\*Corresponding author
- **Noubissi FK**, Ogle BM Cancer Cell Fusion: Mechanisms Slowly Unravel. *Int J Mol Sci*. 2016 Sep 21;17(9). pii: E1587. Review. PMID:27657058
- Hamilton K. E., Chatterji P., Lundsmith E. T., Andres S. F., Giroux V., Hicks P. D., **Noubissi F. K.**, Spiegelman V. S., Rustgi A. K.. Loss of Stromal IMP1 Promotes a Tumorigenic Microenvironment in the Colon. *Mol Cancer Res*. 2015. Nov;13(11):1478-86. doi: 10.1158/1541-7786.MCR-15-0224.
- **Noubissi F. K.**, Harkness T. E., Alexander C. M., and Ogle B. M. Apoptosis-induced cancer cell fusion: a mechanism of breast cancer metastasis. *FASEB J*. 29(9):4036-45, 2015.

- Chamcheu J. C., Pal HC, Siddiqui I. A., Adhami V. M., Ayeahunie S., Boylan B. T., **Noubissi F. K.**, Khan N., Syed D. N., Elmets C. A., Wood G. S., Afaq F., and Mukhtar H. Pro-Differentiation, Anti-Inflammatory and Anti-Proliferative Effects of Delphinidin, a Dietary Anthocyanidin, in a Full-thickness Three-Dimensional Reconstituted Human Skin Model of Psoriasis. *Skin Pharmacol Physiol.* 28(4):177-88, 2015.
- **Noubissi F. K.\*.**, Kim T., Kawahara T., Berg E., Longley J., Athar M., and Spiegelman V. S. Role of CRD-BP in the growth of human Basal Cell Carcinoma. *J Invest Dermatol*, 134(6), 1718-24, 2014. (\* Corresponding author)
- Hamilton K. E\*., **Noubissi F. K.\*.**, Katti P. S., Hahn C. M., Davey S. R., Lundsmith E. T., Klein-Szanto A. J., Rhim A. D., Spiegelman V. S., and Rustgi A. K. IMP1 promotes tumor growth, dissemination, and a tumor-initiating cell phenotype in colorectal cancer cell xenografts. *Carcinogenesis*, 34(11), 2647-5, 2013. (\*equal contribution)
- Mongroo P.S., **Noubissi F.K.**, Cuatrecasas M., Kalabis J., King C.E., Johnstone C.N., Bowser M.J., Castells A., Spiegelman V.S., and Rustgi A.K.. IMP-1 modulates colon cancer cell survival through a novel pro-apoptotic protein, CYFIP2, and is interrelated with K-Ras. *Cancer Research*, 71, 2172-2182, 2011.
- **Noubissi F. K.**, Nikiforov M. A., Colburn N., and Spiegelman V. S. Transcriptional regulation of CRD-BP by c-myc: implications for c-myc functions. *Genes & Cancer*, 1, 1074-1082, 2010.
- **Noubissi F.K.**, Goswami S., Sanek N.A., Kawakami K., Minamoto T., Moser A., Grinblat Y. and Spiegelman V.S. Wnt signaling Stimulates transcriptional outcome of the Hedgehog pathway by stabilizing GLI1 mRNA. *Cancer Res*, 69 (22), 8572-78, 2009.
- **Elcheva I.**, Goswami S., **Noubissi F.K.**, Spiegelman V.S. CRD-BP protects the coding region of  $\beta$ -TrCP1 mRNA from miR-183-mediated degradation. *Mol Cell*, 35 (2), 240-46, 2009.
- **Noubissi F.K.**, Elcheva I., Bhatia N., Shakoory A., Ougolkov A., Liu J., Minamoto T., Ross J., Fuchs S.Y. and Spiegelman V.S. CRD-BP mediates stabilization of  $\beta$ TrCP1 and c-myc mRNA in response to  $\beta$ -catenin signaling. *Nature*, 441, 898-901, 2006.
- **Bhat A\*.**, **Noubissi F.K\*.**, Vyas M., and Kasbekar D.P. Genetic Analysis of Wild-Isolated *Neurospora crassa* Strains Identified as Dominant Suppressors of Repeat-Induced Point Mutation. *Genetics*, 164, 947-961, 2003. (\* equal contribution)
- **Noubissi F.K.**, Aparna K., McCluskey K., and Kasbekar D.P. Evidence for dominant suppression of repeat-induced point mutation (RIP) in crosses with the wild-isolated *Neurospora crassa* strains Sugartown and Adiopodoume-7. *J Genet*, 80, 101-107, 2001.
- Fehmer M., Bhat A., **Noubissi F.K.**, and Kasbekar D.P. Wild-isolated *Neurospora crassa* strains that increase the fertility of crosses with segmental aneuploids used to establish that a larger duplication suppresses RIP in a smaller duplication. *Fungal Genet Newsllett*, 48, 13-14, 2001.
- **Noubissi F.K.**, McCluskey K., and Kasbekar D.P. Repeat-induced point mutation (RIP) in crosses with wild-isolated strains of *Neurospora crassa*: evidence for dominant reduction of RIP. *Fungal Genet Biol*, 31, 91-97, 2000.
- **Noubissi F.K.**, Ngadjui B., Kayo P., Ngogang J. Effets des sterols de *Brillantaisia vogeliana* sur les lipides seriques des rats. *Biosciences Proceedings. Cameroon Biosciences Society*, IV, 351-354, 1998.
- **Noubissi F.K.**, Kayo P., Ngogang J. Effets des infusions de *Brillantaisia vogeliana* sur la surcharge ponderale humaine. *Biosciences Proceedings. Cameroon Biosciences Society*, IV, 359-363, 1998.
- **Noubissi F.K.**, Ngogang J. A study of the effects of *Brillantaisia* sp's extracts on the level of serum cholesterol and triglycerides in rats. *Proceedings of the Federation of African Societies of Biochemistry & Molecular Biology (FASBMB). Biochemical Society of Kenya*, 21-24, 1998.

- **Noubissi F.K.**, Kayo P., Ngogang J. Effets des infusions et des macerations de *Brillantaisia vogeliana* sur le métabolisme lipidique des rats supplémentés en huile de palme et en huile de coton. *Biosciences Proceedings. Cameroon Biosciences Society*, 5, 336-342, 1998.

### Book chapters

- Yedjou CG, Shivers M, Kirui PK, Mbemi AT, Dasari S, **Noubissi FK**, Tchounwou PB. A Broad Approach for the Management of Acute Promyelocytic Leukemia. *Human Leukemias* 2016. SMGroup, <http://www.smgebooks.com>
- **Noubissi F.K.** and Spiegelman V.S: CRD-BP/IMP-1 RNA-binding protein in cancer development. in: RNA Binding Proteins in Development and Disease, (Robert B. Denman, ed) Research Signpost, pp 139-151, 2008.

### Positions

2015-present	Assistant Professor, Jackson State University, Department of Biology/ RCMI, Jackson, MS, USA
2013-2015	Senior Scientist, University of Minnesota Twin Cities Department of Biomedical Engineering, Minneapolis, MN, USA
2009-2013	Assistant Scientist, UW School of Medicine and Public Health, Department of Dermatology, Madison, Wisconsin, USA
2006-2009	Assistant Researcher, UW School of Medicine and Public Health, Department of Dermatology, Madison, Wisconsin, USA
2004-2006	Research Associate, UW School of Medicine and Public Health, Department of Dermatology, Madison, Wisconsin, USA

### Honors and Awards

2015-2016	Accepted to the Academy for Research and Scholarly Engagement, Jackson State University, Jackson MS
2015	Invited speaker at the twelfth international symposium on recent advances in environmental health Research. Jackson State University, Jackson, MS September 13-16, 2015
2015	Invited speaker at the Midwest Tumor Microenvironment Workshop, University of Wisconsin, Madison, WI. May 11-13, 2015.
2010-2013	1R21CA153102-01 NIH/NCI      PI: Noubissi
2010-2011	Research Career Development Award from Dermatology Foundation, USA.
1999-2002	Third World Organization for Women in Science (TWOWS)-Third World Academy of Sciences (TWAS) research fellowship at CCMB-India.
1997	Award for the best female communicator at the 6th Conference of Cameroon Biosciences Society with the presentation of "Studies of the effects of infusion and soaking of leaves of <i>Brillantaisia vogeliana</i> on the lipid metabolism of rats supplemented with palm oil and cotton seed oil".
1988-1993	University of Yaoundé, Junior scholarship.

### Professional Memberships

- Associate Member, American Association for Cancer Research (AACR)
- Member, Women in Cancer Research (WICR)
- Member, Third World Organization for Women in Science (TWOWS)
- Associate Member, American Association of Biochemistry and Molecular Biology (ASBMB)

## Professional Trainings

- May 18-20, 2016 - **Grant writing workshop. NRMN, Mentoring to Diversify the Biological Work force.** Morehouse School of Medicine, Atlanta, Georgia.
- Oct 8, 2015 - **Designing and Realizing your Research and Scholarly Agenda Workshop.** Jackson State University Engagement and Advancement Program, Jackson State University, Jackson MS
- Sep 25, 2015 - **Academy for Research & Scholarly Engagement.** Working Session. Jackson State University, Jackson MS
- April 6-8, 2014 - **Roadmap for a Successful Academic Career Workshop.** Advance Center; Texas A & M University, College station, Texas.
- Oct. 4, 2013 - **Academy of Distinguished Teachers' Conference:** "Teaching and Learning in Changing Times." University of Minnesota, Minneapolis, MN.
- Nov. 18-19, 2009 - **Scientific Writing Workshop:** University of Wisconsin Institute for Clinical and Translational Research (UWICTR). Madison, Wisconsin.
- Jun. 10-11, 2009 - Short Course in **Clinical Research:** University of Wisconsin Institute for Clinical and Translational Research (UWICTR). Madison, Wisconsin.

## Reviewer

- Journal of Investigative Dermatology
- International Journal of Colorectal disease
- Journal of Carcinogenesis
- Biomedical Journals
- Journal of Experimental Cell Research

## Teaching Experience

- 2015-present Lecturer of General Biology and Genetics to Biology Major in the department of Biology at Jackson State University, Jackson, MS
- 2014-2015 Guest lecturer in cancer and cell biology to undergraduate and graduate students at University of Minnesota Twin Cities, Minneapolis, MN
- 2013 Academy of Distinguished Teachers' Conference: "Teaching and Learning in Changing Times." University of Minnesota, Minneapolis, MN.
- 2008-2013 Assistant Instructor in Cell and Molecular Biology, University of Wisconsin, Madison, WI
- 2007- Present Training and supervising undergraduate and graduate students in different projects as well as training of new researchers in the lab. University of Wisconsin, Madison, WI and University of Minnesota Twin Cities, Minneapolis, MN.
- 1996-1999 Assistant Lecturer at the University of Dschang (Cameroon)  
Taught structural biochemistry, enzymology, and biochemical techniques to undergraduate students.
- 1994-1997 Teaching Assistant at the University of Yaoundé-I (Cameroon).  
Taught Animal Physiology and Biochemistry to undergraduate students.

## Conferences/ Presentations

- **Poster presentation:** Inhibition of the coding region determinant-binding protein (CRD-BP) to sensitize colorectal cancer cells to drug. AACR special conference on Colorectal Cancer: From Initiation to Outcomes. Tampa-FL, 17-20, 2016.
- **Invited speaker:** Role of cell fusion in cancer progression and metastasis. The Thirteenth International Symposium on recent Advances in Environmental Health Research. Jackson State University, Jackson, MS September 11-14, 2016.

- **Invited speaker:** Targeting CRD-BP to sensitize colorectal cancer cells to chemotherapeutics. **The Twelfth International Symposium on recent Advances in Environmental Health Research.** Jackson State University, Jackson, MS September 13-16, 2015
- **Invited speaker:** Apoptosis-induced cancer cell fusion: a mechanism of breast cancer metastasis. Midwest Tumor Microenvironment Workshop, University of Wisconsin, Madison, WI. May 11-13, 2015.
- **Poster presentation:** Apoptosis-induced cancer cell fusion: a mechanism of breast cancer metastasis. 5<sup>th</sup> Annual Masonic Cancer Center Research Symposium, University of Minnesota, Minneapolis, MN. October 20, 2014
- 2<sup>nd</sup> Engineering-Stem Cell Institute Symposium: The Heart of the Matter-Where Stem Cells and Engineering meet. Stem Cell Institute, University of Minnesota, Minneapolis, MN. October 10, 2014.
- Engineering and Stem Cell Institute Joint Symposium. Stem Cell Institute, University of Minnesota, Minneapolis, MN. December 5, 2013.
- Academy of Distinguished Teachers' Conference: "Teaching and Learning in Changing Times." University of Minnesota, Minneapolis, MN. October 4, 2013.
- Progenitor Cell Biology Consortium. 5<sup>th</sup> annual meeting of National Heart, Lung, and Blood Institute. Minneapolis, MN. October 1-2, 2013.
- **Poster presentation:** Role of CRD-BP in the growth of human basal cell carcinoma cells. International Investigative Dermatology (IID) conference, Edinburgh, Scotland. May 8th - 11th, 2013.
- **Poster presentation:** Role of CRD-BP in the growth of human Basal Cell Carcinoma. AACR annual conference on: "Personalizing Cancer Care Through Discovery Science". Washington, DC. April 6-10, 2013.
- REACH for Commercialization: A Workshop for Women Faculty and PostDocs in STEM. Comprehensive Equity at Ohio State, Ohio State University, Columbus, OH. September 23-25, 2012.
- PostDoc conference: "Transitioning to Faculty Life: A Conference for PostDocs Underrepresented in STEM". Ohio State University, Columbus, OH. May 31-June 2, 2012.
- **Poster presentation:** Transcriptional Regulation of CRD-BP by c-myc: Implications for c-myc Functions. Keystone symposia on: "Integration of developmental signaling pathways". Santa Fe, New Mexico. March 4-9, 2012.
- Molecular and Cellular Pharmacology on: "Signal Transduction Symposium", UW-Madison, Wisconsin. April 6, 2010.
- **Poster presentation:** Wnt signaling stimulates transcriptional outcome of the Hedgehog pathway by stabilizing GLII mRNA. Keystone symposia on: "Integration of developmental signaling pathways". Fairmont Empress Victoria, British Columbia, Canada. March 23-28, 2010.
- 4<sup>th</sup> Annual Wisconsin Stem Cell Symposium on: "Cancer, Stem Cells and Cancer Stem Cells". BioPharmaceutical Technology Center-Madison, Wisconsin. April 15, 2009.
- The 3rd Annual UWCCC Research Retreat. UW Health Science Learning Center (HSLC), Madison, Wisconsin. January 24, 2009.
- 3rd Annual Wisconsin Stem Cell Symposium on: "Conserved Mechanisms of Stem Cell Control and Regeneration". BioPharmaceutical Technology Center-Madison, Wisconsin. April 16, 2008.
- **Poster presentation:** Mechanism of stabilization of  $\beta$ -TrCP1 and c-myc mRNA in response to Wnt/  $\beta$ -catenin signaling. 21st Aspen Cancer Conference on: "Mechanisms of Toxicity, Carcinogenesis, Cancer Prevention and Cancer Therapy". Aspen, Colorado. July 16-21, 2006.
- **Poster presentation:** Stabilization of  $\beta$ -TrCP1 mRNA by CRD-BP in response to Wnt signaling pathway activation. The FASEB Conference on: "Post-transcriptional Control of Gene Expression: Mechanisms of mRNA Decay". Snowmass Village, Colorado. Jun 24-29, 2006.
- **Poster presentation:** Dominant suppression of repeat induced-point mutation (RIP) in wild-isolated *Neurospora crassa*. XXV All India Cell Biology Conference. IISc, Bangalore, India. November 1-3, 2001.
- **Poster presentation:** Screening for dominant suppressors of RIP (repeat induced-point mutation) amongst wild-isolated strains of *Neurospora crassa*. International Conference on: "Women: Biotechnology, Environment and Non-Conventional Energy, ICT, Hyderabad, India. October 17-21, 2000.
- **Oral presentation:** Studies on the effects of infusion and soaking of *Brillantaisia vogeliana* on the lipid metabolism of rats supplemented with palm oil and cotton seed oil. The 6th Conference of Cameroon Biosciences Society, Cameroon. December 9-11, 1998.
- **Oral presentation:** Effect of sterols from *Brillantaisia vogeliana* on serum lipids in rats and the influence of the plant infusion on human obesity. The 5th Conference of Cameroon Biosciences Society, Yaounde, Cameroon. December 16-18, 1997.

- **Oral presentation:** A study of the effects of *Brillantaisia* sp's extracts on the levels of serum cholesterol and triglycerides in rats. 1st Pan-African Conference on Biochemistry and Molecular Biology, Nairobi, Kenya. September 2-6, 1996.
- **Oral presentation:** Effect of a weight-loss plant on the lipid metabolism of rats supplemented with palm oil and cotton seed oil. The 2nd Conference of Cameroon Biochemical Society, Yaounde, Cameroon. December 16-17, 1995.
- **Oral Presentation:** The prevalence of glucose 6 phosphate dehydrogenase (G6PD) deficiency in the incidence of jaundice in new- born babies in Yaoundé. The 3rd Conference of Cameroon Biosciences Society, Yaounde, Cameroon. December16-19, 1992.