

Mohamed Abu-Farha, Ph.D.

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Summary Profile: I am currently working as Scientist at DDI for five years using studying the role of various biomarkers in diabetes using molecular biology and mass spectrometry and other related techniques to study different aspects of diabetes and other metabolic disorders. My primary interest in DDI is to study the role of Betatrophin in diabetes and obesity and understand its role in regulating beta-cells and lipid metabolism. I am also interested in understanding the interplay between betatrophin and other members of the ANGPTL family mainly ANGPTL3 and 4 as well as HsCRP. Currently, I published or submitted over 20 papers in relation to diabetes and obesity, most of which I am the first author as outlined below. Two of these papers were published in Scientific Reports, a nature publishing group journal with an IF: 5.578. Graduating from top institutes in Canada I have been awarded many prestigious national awards from Canada at the graduate and post graduate level from prestigious Canadian Agencies such as NSERC, OGS and CIHR. I have also managed to have an excellent track record of publications in top journals in the field of Mass Spectrometry and Proteomics. I also worked on a wide range of techniques in advanced molecular biology techniques like microarray, cloning, RT-PCR, protein tagging and purification as well as RNA silencing techniques like siRNA and shRNA. I am also capable of applying this knowledge into solving biological problems such as my work on SMYD2 which enhanced our understanding of this protein and demonstrated its ability to regulate HSP90 through protein methylation and chromatin remodeling. This work was published in a high impact journal (MSB: IF 11.3, MCP: IF 7.3 and JMCB: IF 8.4). I believe that I master a number of techniques including over eight years of experience in Mass Spectrometry that qualifies to drive this project to success. In addition, we have acquired different sets of data on betatrophin that can be complementary to our findings from this projects that can be used towards novel publications.

Education: (Academic Qualification)

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| 2010–2011 | Post-Doctoral Fellowship , University of Montreal. Montreal Institute of Clinical Research. proprotein convertases in regulation of Lipid. Montreal, Canada. NSERC Scholar |
| 2005–2010 | Doctor of Philosophy . Thesis title “Identification of SMYD2 interactions and Substrates by Immunoprecipitation Coupled to MS”. University of Ottawa, Ottawa, Canada. NSERC Scholar |
| 2003–2005 | Master’s of Science . Thesis title “Regulation of Erythroid-Specific 5-Aminolevulinate Synthase (ALAS2) by Hypoxia” Carleton University, Ottawa, Canada. Recipient of Dean’s Scholarship . |
| 1998–2003 | Bachelor of Science Highest Honors , Biochemistry and Biotechnology. Fourth year project title “Hydroxylation And Protein Stability Under Hypoxia” Carleton University, Ottawa, Canada. Recipient of Dean’s Scholarship . |

Scientific Work Experience: (list places year by year – the current one last) (institution, city, country, period)

- 2011-present **Scientist and Team Leader, Biochemistry and Molecular Biology Unit, Dasman Diabetes Institute. My project involves working on** developing new and innovative clinical proteomics technologies to analyze clinical samples. This approach is based on utilizing new techniques developed during my PhD work and applying them to blood or other tissues for the discovery of new biomarkers. This work involves the use of cutting edge mass spectrometry machines like the LC-MS Orbitrap available at Dasman Institute.
- 2010-2011 **Post-Doctoral Fellowship, University of Montreal. Montreal Institute of Clinical Research. My project involves working on** proprotein convertases (PC), which is a family of secretory proteins that is made of nine proteins. Members of this family are important factors in regulating blood level cholesterol. Our lab is currently testing drugs targeting PCSK9 to lower LDL by increasing the level of LDLR in the blood. I am also involved in using a combination of molecular biology and proteomics to identify new substrates for PC7 and their cellular role as well as the effect of cholesterol on its activity.
- 2005-2010 **Research Assistant, University of Ottawa, Ottawa, Canada.**
My PhD work involves the characterization of a novel histone lysine methyltransferase protein called SMYD2. I use both genomic and proteomic approaches to understand the molecular roles of SMYD2.
- 2003–2005 **Research Assistant, Carleton University, Ottawa, Canada.**
Studying protein modification via reactive oxygen species (ROS) and post-translational modification of proteins. Research is performed on various carcinoma cell lines like HeLa, K562, HepG2 and Cos7.
- 2001–2003 **Lab Technologist, Carleton University**
The work required the maintenance of mammalian (human and otherwise) cell lines in culture. Tasks included selecting candidate proteins from a genomic screen that could be potentially regulated by oxygen, testing protein activity under different oxygen regimes.
- April-Sept 2001 **Laboratory Chemical Technologist, Drain All Ltd**

Lab Technologist at an environmental company (Drain-All Ltd) various wet analytical tests. Control the quality of the arriving and departing chemical wastes

Tests performed in the lab were PCB test using GC, flash point, pH, metals test using AA spectrometer.

Research/Scientific Skills:

- **Proteomic:** Protein identification by mass spectrometry ESI-LCMS/MS machines such as LTQ and LTQ-OrbiTrap. Quantitative proteomic such as SILAC. Identification of PTMs such as phosphorylation and methylation by MS. Bioinformatic and LIMS softwares like Mascot, MSquant, Maxquant, Prohit and ingenuity pathway.
- **Molecular biology and Biochemistry:** Excellent knowledge in basic techniques like DNA and RNA isolation, microarray, RT-PCR, QRT-PCR, northern blotting, siRNA and site directed mutagenesis. Cloning techniques like Gateway, TA and TOPO cloning and epitope tagging in mammalian and bacterial expression systems. Western blotting and protein expression purification using affinity chromatography.

Tissue culturing: Proficient in handling various carcinoma cell lines, transient and stable cell lines, making growth media cell stocks and other basic cell culturing techniques. Use of different kinds of microscopes like phase contrasts and epifluorescence microscopes and Immunostaining using different fluorescence dyes

Teaching Skills:

List of Courses Taught at the University Level

Course	Description	Location
BIOL 1003	Introductory Biology I	Carleton University, Ottawa, Canada
BIOL 1004	Introductory Biology II	Carleton University, Ottawa, Canada
BIOC 2200	Cell Physiology and Biochemistry	Carleton University, Ottawa, Canada
BIOL 4109	Laboratory Techniques in Molecular Genetics	Carleton University, Ottawa, Canada
BCH3356	Molecular Biology Lab (Taught twice)	Ottawa, University, Ottawa, Canada

- Teaching many undergraduate courses at the university of Ottawa and Carleton University in Ottawa as a teacher assistant.
- Lab demonstrator for various courses such as first year biology, second and third year biochemistry and molecular biology courses, as well as fourth year molecular biology course.

- Taught a mini-enrichment course for high school student at Carleton University
- Organized a two day course on mass spectrometry for graduate students at the University of Ottawa

Projects as Principle Investigator or co-Principal Investigator:

1. Betatrophin a New Hope: Clinical and Biochemical Characterization of Betatrophin and its Role in Obesity and Diabetes A Pilot Study. Principle Investigator
2. Deciphering the role of betatrophin and its variants in beta-cell proliferation, lipid metabolism and insulin signaling using metabolomics and proteomics. Principle Investigator
3. Contribution of glycation (AGEs/RAGE) signaling pathways to obesity and the related complications in children. Principle Investigator
4. The Role of HSP40 Proteins in Obesity and Diabetes. Principle Investigator
5. The Role of Betatrophin and HsCRP in Development of Type 2 Diabetes. Principle Investigator
6. Identification of OSA Related Biomarkers and their Relation to Metabolic Disorders. co-Principal Investigator
7. Meteorin-like hormone, a potential regulator for obesity, diabetes and energy expenditure. co-Principal Investigator

Projects as co-investigator:

1. Investigation of Cellular and Molecular Anti-inflammatory Response in Obese Subjected to a Defined Exercise Protocol.
2. Unraveling the role of micr-RNA 103, 143 and 181 in obesity and diabetes.
3. High resolution genetic analysis of Type 1 Diabetes. (Dr. O. Alsmadi).
4. Kuwait diabetes epidemiology program: A population-based study of diabetes and obesity in Kuwait (Dr. N. Elkum).
5. Investigating the effect of Liraglutide, a new incretin mimetics, on heat shock response: A pilot study.
6. Biological Characterization of Kuwaiti-Associated diabetes and obesity genes (Dr. O. Alsmadi).

Awards/Honors/Patents: (SELECTED NATIONAL and INTERNATIONAL AWARDS)

- Natural Sciences and Engineering Research Council of Canada post-doctoral award. **\$80,000** (2011-2012).
- Ontario Graduate Scholarship. **\$30,000** (2006 and 2010).
- Natural Sciences and Engineering Research Council of Canada Graduate award. **\$63,000** (2006-2011).
- University of Ottawa Excellence Scholarship. **\$24,000** (2005-2010)
- Human Proteomic Organization Young Investigator award **\$600** (2009)

- Carleton University Master's Admission Award. **\$32,000** (2003-2005)
- Recipient of Carleton University Undergraduate Dean's scholarship **\$5,000** (1999-2003).

Memberships: (*scientific societies, committees, editorial boards, etc.*)

- American Diabetes Association
- Canadian Proteomics Initiative
- Human Proteomics Society
- Canadian Society for Molecular Biosciences

Scientific Communication:

Publications (Original Articles, Reviews and Book Chapters)

1. **M. Abu-Farha**, J. Niles, W. G. Willmore, Erythroid-specific 5-aminolevulinate synthase protein is stabilized by low oxygen and proteasomal inhibition. *Biochem Cell Biol* 83, 620-630 (2005). **Impact Factor: 2.153**
2. R. M. Ewing et al.....**Abu-Farha M**.....Figyes, D. Large-scale mapping of human protein-protein interactions by mass spectrometry. *Mol Syst Biol* 3, 89 (2007). **Impact Factor: 10.87**
3. **M. Abu-Farha** et al., The tale of two domains: proteomics and genomics analysis of SMYD2, a new histone methyltransferase. *Mol Cell Proteomics* 7, 560-572 (2008). **Impact Factor: 6.56, was 9.98 at time of publications**
4. **M. Abu-Farha**, F. Elisma, D. Figey, Identification of protein-protein interactions by mass spectrometry coupled techniques. *Adv Biochem Eng Biotechnol* 110, 67-80 (2008). **Impact Factor: 1.91**
5. **M. Abu-Farha** et al., Proteomics: from technology developments to biological applications. *Anal Chem* 81, 4585-4599 (2009). **Impact Factor: 5.63**
6. **M. Abu-Farha** et al., Proteomic analyses of the SMYD family interactomes identify HSP90 as a novel target for SMYD2. *J Mol Cell Biol* 3, 301-308 (2011). **Impact Factor: 6.98**
7. Z. Ning, H. Zhou, F. Wang, **M. Abu-Farha**, D. Figey, Analytical aspects of proteomics: 2009-2010. *Anal Chem* 83, 4407-4426 (2011). **Impact Factor: 5.63**
8. H. Zhou, Z. Ning, A. E. Starr, **M. Abu-Farha**, D. Figey, Advancements in top-down proteomics. *Anal Chem* 84, 720-734 (2012). **(Co-first Author) Impact Factor: 5.63**
9. **M. Abu-Farha** et al., Proteomics analysis of human obesity reveals the epigenetic factor HDAC4 as a potential target for obesity. *PLoS One* 8, e75342 (2013). **Impact Factor: 3.07**
10. J. Abubaker.....**Abu-Farha M**, et al., DNAJB3/HSP-40 cochaperone is downregulated in obese humans and is restored by physical exercise. *PLoS One* 8, e69217 (2013). **Impact Factor: 3.07**

11. A. Tiss et al.....**M. Abu-Farha**...., Immunohistochemical profiling of the heat shock response in obese non-diabetic subjects revealed impaired expression of heat shock proteins in the adipose tissue. *Lipids Health Dis* 13, 106 (2014). **Impact Factor: 3.18**
12. E. Baturcam.....**Abu-Farha M.** et al., Physical exercise reduces the expression of RANTES and its CCR5 receptor in the adipose tissue of obese humans. *Mediators Inflamm* 2014, 627150 (2014). **Impact Factor: 3.418**
13. **M. Abu-Farha** et al., Gender differences in ghrelin association with cardiometabolic risk factors in arab population. *Int J Endocrinol* 2014, 730472 (2014). **Impact Factor: 2.376**
14. **M. Abu-Farha**, K. Behbehani, N. Elkum, Comprehensive analysis of circulating adipokines and hsCRP association with cardiovascular disease risk factors and metabolic syndrome in Arabs. *Cardiovasc Diabetol* 13, 76 (2014). **Impact Factor: 4.538**
15. A. Khadir**M. Abu-Farha**, et al., MAP kinase phosphatase DUSP1 is overexpressed in obese humans and modulated by physical exercise. *Am J Physiol Endocrinol Metab* 308, E71-83 (2015). **Impact Factor: 3.78**
16. H. Ali, M. K. Al-Yatama, **M. Abu-Farha**, K. Behbehani, A. Al Madhoun, Multi-lineage differentiation of human umbilical cord Wharton's Jelly Mesenchymal Stromal Cells mediates changes in the expression profile of stemness markers. *PLoS One* 10, e0122465 (2015). **Impact Factor: 3.07**
17. **M. Abu-Farha** et al., DNAJB3/HSP-40 cochaperone improves insulin signaling and enhances glucose uptake in vitro through JNK repression. *Sci Rep* 5, 14448 (2015). **Impact Factor: 5.228**
18. **M. Abu-Farha**, K. Behbehani, N. Elkum, High adiponectin levels in lean Arab women compared to Asian women. *Biomark Res* 3, 7 (2015). **Impact Factor: not yet available, started by BMC in 2013.**
19. **M. Abu-Farha** et al., Lack of associations between betatrophin/ANGPTL8 level and C-peptide in type 2 diabetic subjects. *Cardiovasc Diabetol* 14, 112 (2015). **Impact Factor: 4.538**
20. **M. Abu-Farha** et al., Higher plasma betatrophin/ANGPTL8 level in Type 2 Diabetes subjects does not correlate with blood glucose or insulin resistance. *Sci Rep* 5, 10949 (2015). **Impact Factor: 5.228**
21. **M. Abu-Farha***, Behbehani K, Abubaker JA Characterization of Protein Complexes and Their Implication in Biological Processes. *J Proteomics Enzymol.* 2015 4:2. ***Corresponding Author Impact Factor: 1.634**
22. **M. Abu-Farha*** et al., Circulating ANGPTL8/Betatrophin Is Increased in Obesity and Reduced after Exercise Training. *PLoS One* 11, e0147367 (2016). ***Corresponding Author Impact Factor: 3.07**

23. **M. Abu-Farha*** et al., ANGPTL8/Betatrophin R59W variant is associated with higher glucose level in non-diabetic Arabs living in Kuwait. *Lipids Health Dis* 15, 26 (2016). ***Corresponding Author. Impact Factor: 3.18**
24. **M. Abu-Farha*** et al., Circulating angiopoietin-like protein 8 (betatrophin) association with HsCRP and metabolic syndrome. *Cardiovasc Diabetol* 15, 25 (2016). ***Corresponding Author. Impact Factor: 4.538**
25. Baothman OA, Zamzami MA, Taher I, Abubaker J, **Abu-Farha M.** The role of Gut Microbiota in the development of obesity and Diabetes. *Lipids Health Dis*. 2016;15:108. **Corresponding Author. Impact Factor: 3.18**
26. Abdelkrim Khadir, Sina Kavalakatt, Jehad Abubaker, Preethi Cherian, Dhanya Madhu, Irina Al-Khairi, Abu-Farha, M, Samia Warsame, Naser Elkum, Mohammed Dehbi, Ali Tiss. Physical exercise alleviates ER stress in obese humans through reduction in the expression and release of GRP78 chaperone. *Metabolism* 65 (9), 1409-1420. **Impact Factor: 4.375**
27. **M. Abu-Farha1***, Preethi Cherian1, Irina AlKhairi1, Ali Tiss1, Samia Warsam1, Asma Alhubail3, Devarajan Sriraman2, Faisal Al-Refaei3, Jehad Abubaker 1*. Plasma and Adipose Tissue level of Angiopoietin-like 7 (ANGPTL7) are Increased in Obesity and Reduced after Physical Exercise (Accepted), *Plos One*. ***Corresponding Author. Impact Factor: 3.07**
28. Motasem Melhem1*, **M. Abu-Farha2***, Dinu Antony1*, Ashraf Al Madhoun1*, Chiara Bacchelli3, Fadi Alkayal4, Irina AlKhairi2, Sumi John5, Mohamad Alomari6, Phillip L Beales3, and Osama Alsmadi. Novel G6B gene variant cause familial autosomal recessive thrombocytopenia and anemia. (Accepted) **(Co-first Author). Impact Factor: 2.5**
29. **M. Abu-Farha***, Ashraf S. Almadhoun, Jehad Abubaker *. The Rise and the Fall of Betatrophin/ANGPTL8 as an Inducer of Beta-Cell Proliferation. *Journal of Diabetes Research* (Accepted). **Impact Factor: 2.431**
30. **M. Abu-Farha.**, and Willmore, W.G. (2004). Hypoxic Stabilization And Proteolytic Degradation Of Erythroid-Specific 5-Aminolevulinate Synthase. *Int Cong Ser*. **1275:71-78**. (Journal by Elsavier and was discontinued Impact factor at time of publication: 1.5)
31. **Abu-Farha, M.**, and Willmore W.G. (2004). Post-Translational Modification and Protein Stabilization of ALAS2 under Hypoxia. Canadian Society of Biochemistry, Molecular & Cellular Biology (CSBMCB) 47th Annual Meeting. *Biochemistry and Cell Biology* **82** (6): 755. **Impact Factor: 2.53**
32. **Abu-Farha, M.**, Lambert, J.P., Al-Madhoun, A.S., Elisma, F., Skerjanc, I.S., Figeys, D. (2009). A Combined Proteomic and Genomic Approach to Characterize SMYD2 a Histone Lysine Methyltransferase. Canadian Society of Biochemistry, Molecular & Cellular Biology (CSBMCB) 51st Annual Meeting. *Biochemistry and Cell Biology*. **87:349-373. Impact Factor: 2.53**

33. Baturcam E, Abubakr J, **Abu-Farha M**, Al-Arouj M, Al-Ghimlas F, Al-Khairi I, Al-Mudhaf D, , Bennakhi A, Cherian P, Hammad M, John J, Kavalakatt S, Khadir A, Tiss A, Warsame S, Dermime S, Dehbi M. Sept. 2012. Multiplexed analysis of inflammatory, metabolic and stress markers in obese subjects before and after a defined exercise program. The 10th Joint Annual Meeting of the International Cytokine Society (ICS) and the International Society for Interferon and Cytokine Research (ISICR). Geneva, Switzerland. Abstract published in Cytokine, Volume 59, Issue 3, September 2012, Pages 532. **Impact Factor: 6.56**
34. Abubakr J, **Abu-Farha M**, Al-Arouj M, Al-Ghimlas F, Al-Khairi I, Al-Mudhaf D, Baturcam E, Bennakhi A, Cherian P, Hammad M, John J, Kavalakatt S, Khadir A, Tiss A, Warsame S, Dermime S, Dehbi M. May 2012. Association of Obesity with Down-regulation of Heat Shock Protein 40 Expression and Evidence That Exercise retrieves its Normal Expression. The First Conference on Metabolism, Diet and Disease, Washington DC, USA (Abstract published in BMC Proceedings 2012, 6 (Suppl 3): P1, June 2012). **Impact Factor: N/A**
35. **M Abu-Farha**, J Abubaker, I Al-Khairi, P Cheri-An, F Noronha, M Al-Arouj. The Associations between Plasma Betatrophin Level and C-Peptide in Type 2 Diabetic and Nondiabetics. DIABETES 2015. 64, A733-A733. **Impact Factor: 8.095**

Under Review

36. **M. Abu-Farha**^{1*}, Preethi Cherian¹, Irina AlKhairi¹, Devarajan Sriraman², Jehad Abubaker. Association between ANGPTL8/Betatrophin and ANGPTL3 and 4 in Circulation and Adipose Tissue. Submitted to Lipids in health and Diseases. ***Corresponding Author. Impact Factor: 3.18**
37. Prashantha, Fadi, Rasheeba, Motasem, Naser, Sumi, **M. Abu-Farha**, Osama*, Alphonse*. A genome wide association study identifies the common coding variant of transcobalamin-II (TCN2) c.67A>G (p.Ile23Val) as associated with waist circumference in Arab population. Submitted to Scientific Reports. **Impact Factor: 5.228**

In preparation

38. M. Abu-Farha, J Abubaker, J. Tuomilehto. The role of ANGPTL8/betatrophin in diabetes. In preparation.
39. **M. Abu-Farha**^{1*}, Mohamed G. Qaddoumi², Irina AlKhairi¹, Preethi Cherian¹, Devarajan Sriraman², Muath Alanbaei³, Jehad Abubaker ^{1*}. Increased circulation level of ANGPTL8/Betatrophin and ANGPTL4 and not ANGPTL3 in Subjects with Hypertension. (In preparation) ***Corresponding Author**

Oral Presentations

1. **Abu-Farha M.** (2016). The role of Betatrophin in the development of Diabetes. Kuwait University, Kuwait.
2. **Abu-Farha M.** (2015). Betatrophin a friend or a foe. Dasman Diabetes Institute, Kuwait.

3. **Abu-Farha M.** (2016). The role of Betatrophin in the development of Diabetes. Kuwait University, Kuwait.
4. **Abu-Farha M.** (2013). Role of adipokine in Obesity and Diabetes. Al-Jouf University, Saudi Arabia.
5. **Abu-Farha M.** (2012). Clinical Laboratory Quality Control. Integrated Laboratory Training on safety and Management. Dasman Diabetes Institute. Kuwait.
6. **Abu-Farha M,** and Figeys, D. (2008). Identification of the SMYDs Protein Interaction Network and their Implication in Cancer. Biochemistry, Microbiology & Immunology Research Presentations. University of Ottawa, Canada.
7. **Abu-Farha M,** and Figeys, D. (2006). The Role of Histone Methylation in Microtubule Dynamics. Biochemistry, Microbiology & Immunology. Ottawa, Canada.
8. **Abu-Farha M,** and Willmore W. G. (2005). Post-Translational Modification and Protein Stabilization of ALAS2 under Hypoxia. Biology department, Carleton University, Ottawa. Canada.

Non-Referred Conferences Abstracts:

9. **Abu-Farha M,** Abubakr J, Al-Arouj M, Al-Ghimlas F, Al-Khairi I, Al-Mudhaf D, Baturcam E, Bennakhi A, Cherian P, Hammad M, John J, Kavalakatt S, Khadir A, Tiss A, Warsame S, Dermime S, Dehbi M. (2012). A novel clinical proteomic technique for plasma biomarker discoveries based on Proteomic reactor used to study plasma proteome of Kuwaiti diabetic patients. The British Society for Proteome Research & the European Proteomics Association “EUPA 2012” Scientific Congress, Glasgow, Scotland.
10. **Abu-Farha M,** Tiss A, Abubakr J, Al-Arouj M, Al-Ghimlas F, Al-Khairi I, Al-Mudhaf D, Baturcam E, Bennakhi A, Cherian P, Hammad M, John J, Kavalakatt S, Khadir A, Warsame S, Dermime S, Dehbi M. (2012). Road to fitness, uncovering novel biomarkers controlling obesity in volunteer groups undergoing exercise regiments in Kuwait. The 2nd China-Canada Symposium on Systems Biology and 19th Methods in Protein Structure Analysis Symposium, Ottawa, Canada.
11. Khadir A, Abubakr J, **Abu-Farha M,** Al-Arouj M, Al-Ghimlas F, Al-Khairi I, Al-Mudhaf D, Baturcam E, Bennakhi A, Cherian P, Hammad M, John J, Kavalakatt S, Tiss A, Warsame S, Dermime S, Dehbi M. Sept. 2012. Status of the ER stress in obese subjects before and after a defined-exercise protocol and its relationships with the inflammatory and metabolic stress responses. The EMBO/EMBL Symposia 2012 on Diabetes and Obesity, Heidelberg, Germany.
12. Tiss A, Abubakr J, **Abu-Farha M,** Al-Arouj M, Al-Ghimlas F, Al-Khairi I, Al-Mudhaf D, Baturcam E, Bennakhi A, Cherian P, Hammad M, John J, Kavalakatt S, Khadir A, , Warsame S, Dermime S, Dehbi M. (2012). Anti-inflammatory and cell stress response in human obese

subjected to an exercise Protocol. The British Society for Proteome Research & the European Proteomics Association “EUPA 2012” Scientific Congress, Glasgow, Scotland.

13. **Abu-Farha M**, Lambert J.P, Al-Madhoun A.S, Elisma F, Skerjanc I.S, Figeys D. (2007). Characterization of SMYD2 and its Role in Cell Proliferation. EMBO Chromatin and Epigenetic. Heidelberg, Germany.
14. **Abu-Farha M**, Lambert J.P, Figeys D. (2006). Analysis of Protein-Protein Interactions of a Novel Histone Methyltransferase. Progress in Systems Biology. Ottawa Institute of Systems Biology, Ottawa, Canada. **Abu-Farha M**, and Figeys D. (2006). Characterization of a New Histone Lysine Methyltransferase and its Role in Microtubule Dynamics. BMI Research Day. Ottawa, Canada.
15. **Abu-Farha M**, Sheng Y, Figeys D. (2005). The Role of SMYD2 in Cancer. Progress in Systems Biology. OISB, Ottawa, Canada.
16. **Abu-Farha M**, and Willmore W.G. (2005). Erythroid-Specific 5-Aminolevulinate Synthase Protein is Stabilized by Low Oxygen and Proteosomal Inhibition. Second Northern Lights Summer Conference, Canadian Federation of Biological Sciences. Guelph, Canada.
17. **Abu-Farha M**, and Willmore W.G. (2003). Hydroxylation and Protein Stability under Hypoxia. BioNorth. Ottawa, Canada.