

CURRICULUM VITAE

Dima Azzam Sabbah

Pharmacy Department, Faculty of Pharmacy

Al-Zaytoonah University of Jordan, Amman, Jordan

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1. Personal Data

Date of Birth: April 24th 1973

Nationality: Jordanian

2. Education

- Ph. D. (Pharmaceutical Sciences) 2012, University of Nebraska Medical Center, Omaha, Nebraska, USA
- M.Sc. (Pharmaceutical Sciences) 2003, The University of Jordan, Amman, Jordan
- B.Sc. (Pharmacy) 1996, The University of Jordan, Amman, Jordan

3. Ph.D. Dissertation

- *Computational Studies and Inhibitors Design of PI3K α* , University of Nebraska Medical Center, College of Pharmacy, Omaha, Nebraska, USA

4. M.S. Thesis

Synthesis of Some Novel Nitrofurans of Potential Antimicrobial Activity. The University of Jordan, Faculty of Pharmacy, Amman, Jordan.



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5. Employment

Academic Positions

- Associate Professor, Pharmacy Department, Al-Zaytoonah University of Jordan, Amman, Jordan
February 19th 2018- now
- Assistant Professor, Pharmacy Department, Al-Zaytoonah University of Jordan, Amman, Jordan
October 31st 2012- February 18th 2018
- Ph. D. Student & Research Assistant, Pharmaceutical Sciences Department, University, University of Nebraska Medical Center, Omaha, NE
August 17th 2007- September 30th 2012
- Instructor, Pharmacy Department, Al-Zaytoonah University of Jordan, Amman, Jordan
January 1st 2004-August 15th 2007
- Teaching Assistant, , Pharmacy Department, Al-Zaytoonah University of Jordan, Amman, Jordan
September 9th 1996- December 31st 2003

6. Research Interests

- Computational Chemistry
- Drug Design
- Medicinal Chemistry
- Organic Synthesis
- Drug Discovery

7. Membership in Scientific Societies and Associations

- Jordan Pharmaceutical Association
- American Chemical Society
- American Association of Pharmaceutical Scientists

8. Honors and Awards

- 2018 Al-Zaytoonah University of Jordan (ZUJ) Distinguished Researcher Award.



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- 2017 Third Place in Postgraduate Poster Competition. ASU-Pharmacy Third Symposium "*Recent Trends in Postgraduate Research*"
- 2016 Second Place in Splendor of Pharmacists (SOP) Competition- Medicinal Chemistry (Structure-Based Drug Design)
- 2012 ADDF Young Investigator Scholarship
- 2011 COMP's Denver National Meeting Brochure Cover Image Contest
- 2011 Open Science Grid Summer School and TeraGrid '11 Conference Attendance
- 2009 AAPS Graduate Student Symposium Award in Drug Design & Discovery

9. Fellowships and Scholarships

- 2010-2012: Bukey Fellowship
- 2007-2012: University of Nebraska Medical Center Graduate Studies Research Assistantship

9. Teaching Experience

- *Graduate Courses*
 - Advanced Medicinal Chemistry & Drug Design
 - Advanced Organic Chemistry
 - Advanced Instrumental Analysis
 - Research Methodology
- *Undergraduate Courses*
 - Medicinal Chemistry (I/II/III)
 - Drug Design
 - Pharmaceutical Organic Chemistry II
 - Pharmaceutical Analytical Chemistry
 - Pharmaceutical Organic Chemistry Lab
 - Medicinal Chemistry Lab



10. Supervision of Graduate Research

1. M. Sc. Student: *Shaima' Emad Hasan*, Design, Synthesis, and Biological Evaluation of *N*-Substituted-4-Hydroxy-6-Methyl-2-Quinolone-3-Carbox amides as PI3K α Inhibitors, 2017-2018.
 2. M. Sc. Student: *Nisreen Shaban Hamadeh*, Optimization of 4-Hydroxy-2-Quinolone-3-Carboxamide Core Nucleus Targeting PI3K α Inhibition, 2016-2017.
 3. M. Sc. Student: *Nisreen Shaban Hamadeh*, Optimization of 4-Hydroxy-2-Quinolone-3-Carboxamide Core Nucleus Targeting PI3K α Inhibition, 2016-2017.
 4. M. Sc. Student: *Ameerah Saeed Ibrahim*, Optimization and Synthesis of Benzoin Derivatives as PI3K α Inhibitors, 2015-2016.
 5. M. Sc. Student: *Fatmeh Mahmoud Tarawneh*, Design, Synthesis, and Biological Evaluation of Benzoin Schiff Bases as Antitumor Agents, 2015-2016.
 6. M. Sc. Student: *Dalal Yousef Masalha*, Phenanthridines: Design, Synthesis, and Biological Evaluation as Potential DPP-IV Inhibitors, 2015-2016.
 7. M. Sc. Student: *Bayan Salah Hishmah*, Design, Synthesis, and Biological Evaluation of Novel PI3K alpha Inhibitors, 2013-2014.
 8. M. Sc. Student: *Musaab Mahmoud Saada*, Pharmacophore-Based Screening and Identification of Novel Phosphoinositide 3-kinase (PI3K α) Inhibitors, 2013-2014.
- ***Mentoring of Graduate Research***
 1. M. Sc. Student: *Hanin Mohammad K. Kalloush*, Design, Synthesis, and *In Vivo* Biological Evaluation of Novel Benzimidazole-2-Carboxamide Derivatives as Antihyperlipidemic Agent, 2015-2016.
 2. M. Sc. Student: *Haneen Muneer Mohammad Abu Zaid*, Design, Synthesis, and *In Vivo* Biological Evaluation of Imidazole-5-Carboxamide Derivatives as Lipoprotein Lipase Activators, 2015-2016.
 3. M. Sc. Student: *Sarah Mohammad Ahmad Al-Rawashdeh*, Fluorinated Benzamides: Design, Synthesis and Biological Evaluation as Potential CETP Inhibitors, 2015-2016.
 4. M. Sc. Student: *Nisreen Nazmi Haj Ahmad*, Synthesis and Antihyperlipidemic Properties of Novel *N*-(4-Benzoylphenyl) Pyrrole-2-Carboxamide Derivatives, 2014-2016.
 5. M. Sc. Student: *Amneh Mahmoud Abu Al-Inin*, Synthesis and Biological Evaluation of Novel 5-Bromo Indole-2-Carboxamide Derivatives, 2014-2016.
 6. M. Sc. Student: *Hamada Mansour Abd El-Aal Abd El-Aziz*, Synthesis and Biological Evaluation of Substituted Fluorinated Alkyloxy Benzenamide as Potential CETP inhibitors, 2014-2015.



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7. M. Sc. Student: *Dania Mohammed Nazer Al kabbani*, Synthesis and Biological Evaluation of Novel *N*-Benzoylphenyl-2-Furamide Derivatives, 2014-2015.

• **Examining of Graduate Research**

1. 2018, June, 6th (*External Examiner*) "Molecular Modeling and Screening of AcrAB-TolC Efflux Pump Inhibitors of *Escherichia coli*" (M. Sc. Student: *Ala'a Rae'd Al-Dajani*; *University of Petra Faculty of Pharmacy and Medical Sciences*)
2. 2017, December 14th (*External Examiner*) "Synthesis, Characterization, and Antimicrobial Evaluation of New Substituted 1*H*-Indole-2-Carboxamide Derivatives" (M. Sc. Student: *Alaa Mahmoud Al-Shamaileh*; *The University of Jordan Chemistry Department*)
3. 2017, April 26th (*External Examiner*) "Towards The Discovery of New Inhibitors Against The Highly Conserved Protein Polyphosphate Kinase (PPK1) Followed by Validation Against Relevant Bacterial Species" (M. Sc. Student: *Rasha Mohammad Bashatwah*; *The University of Jordan College of Pharmacy*)
4. 2016, August 31st (*Internal Examiner*) " Design, Synthesis, and *in vivo* Biological Evaluation of Novel Benzimidazole-2-carboxamide Derivatives as Antihyperlipidemic Agents" (M. Sc. Student: *Hanin Mohammad K. Kallosh*; *Al-Zaytoonah University of Jordan College of Pharmacy*)
5. 2016, July 18th (*Internal Examiner*) "Influence of Polymer Type and Its Molecular Weight on the Release of Quercetin from Polymeric Micelles" (M. Sc. Student: *Aya Sadat Taha Alsadi*; *Al-Zaytoonah University of Jordan College of Pharmacy*)
6. 2016, January 20th (*Internal Examiner*) "Fluorinated Benzamides: Design, Synthesis and Biological Evaluation as Potential CETP Inhibitors" (M. Sc. Student: *Sarah Mohammad Ahmad Al-Rawashdeh*; *Al-Zaytoonah University of Jordan College of Pharmacy*)
7. 2016, April 25th (*Advisor*) Phenanthridines: Design, Synthesis, and Biological Evaluation as Potential DPP-IV Inhibitors (M. Sc. Student: *Dalal Yousef Masalha*; *Al-Zaytoonah University of Jordan College of Pharmacy*)
8. 2016, January 18th (*Internal Examiner*) "Synthesis and Antihyperlipidemic Properties of Novel *N*-(4-Benzoylphenyl) Pyrrole-2-Carboxamide Derivatives" (M. Sc. Student: *Nisreen Nazmi Haj Ahmad*; *Al-Zaytoonah University of Jordan College of Pharmacy*)



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9. 2015, December 31st (*Internal Examiner*) "Synthesis and Biological Evaluation of Novel 5-Bromo Indole-2-Carboxamide Derivatives" (M. Sc. Student: *Amneh Mahmoud Abu Al-Inin; Al-Zaytoonah University of Jordan College of Pharmacy*)
10. 2015, May 21st (*Internal Examiner*) "Synthesis and Biological Evaluation of Substituted Fluorinated Alkyloxy Benzenamide as Potential CETP inhibitors" (M. Sc. Student: *Hamada Mansour Abd El-Aal Abd El-Aziz; Al-Zaytoonah University of Jordan College of Pharmacy*)
11. 2013, August 18th (*Internal Examiner*) "Design, Synthesis, and Biological Evaluation of a New Series of Potential CETP Inhibitors" (M. Sc. Student: *Mohamed Galal Saad El Hendy; Al-Zaytoonah University of Jordan College of Pharmacy*)
12. 2013, October 10th (*Internal Examiner*) "Design, Synthesis, and Biological Evaluation of a New Series of Potential DPP IV Inhibitors" (M. Sc. Student: *Zainab Jarekji; Al-Zaytoonah University of Jordan College of Pharmacy*)

- ***Supervision of Undergraduate Students:***

1. B. Sc. Students: *Hakam M. Al Aqabani & Ikhlas Altaweel*, Molecular Docking Studies on Epidermal Growth Factor Receptor (EGFR), 2016.

Hakam & Ikhlas achieved the Second Place in Splendor of Pharmacists (SOP) Competition- Medicinal Chemistry (Structure-Based Drug Design) Section.

11. Grants

1. Design, Synthesis, and Biological Evaluation of PI3K α and EGFR Inhibitors Targeting Colon and Breast Cancer, 2018-2020, Scientific Research Support Fund, The Higher Education Ministry of Jordan, 56,445 JD. And, Al-Zaytoonah University of Jordan, the Deanship of Scientific Research 20,000 JD.

Dima A. Sabbah, *Sanaa K. Bardaweel, Kamal Sweidan, Reema Abu Khalaf, Even Al-Shalabi, Ghassan Abu Sheikha, Tariq Al Qirim*



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2. Design, Synthesis, and Biological Evaluation of a New Series of CETP Inhibitors, 2017-2019, Al-Zaytoonah University of Jordan, the Deanship of Scientific Research 40,000 JD.

Reema Abu Khalaf, Dima A. Sabbah, Eveen Al-Shalabi, Ghassan Abu Sheikh

3. Design, Synthesis, and Biological Evaluation of PI3Ks Inhibitors, 2014-2016, the Deanship of Scientific Research, Al-Zaytoonah University of Jordan, 108,000 JD.

Dima A. Sabbah, Ghassan Abu Sheikha, Tariq Al-Qirim, Reema Abu Khalaf

4. 3-Benzylamino-Benzamides: Design, Synthesis, and Biological Evaluation as Novel CETP Inhibitors, 2015-2016, the Deanship of Scientific Research, Al-Zaytoonah University of Jordan, 38,100 JD.

Reema Abu Khalaf, Ghassan Abu Sheikh, Dima A. Sabbah, Eveen Al-Shalabi

5. Synthesis, Characterization and Biological Evaluation for some PI3Ks Inhibitors, 2013-2015, Hamdi Mango Center for Scientific Research, The University of Jordan, 5000 JD.

Kamal Sweidan, Ghassan Abu Sheikh, Dima A. Sabbah

12. Membership of Committees

- 2014-2015, 2017- now, the Chair of the Laboratory and Devices Committee.
- 2017-now, Scientific Research Committee Member.
- 2015, Scientific Committee Member of **ZTIPC 2015** conference.
- 2013-2014, the Chair of the Conference Committee.

13. Professional and Scientific Meetings

1. BIT's 16th Annual Congress of International Drug Discovery Science and Technology (IDDST) "Rethinking the Next Big Things in Pharma Innovations". **Oral presentation:** "Synthesis, biological evaluation and molecular modeling study of substituted benzyl benzamides as CETP inhibitors", August 16-19, 2018, Boston, USA.



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Reema Abu Khalaf, **Dima A. Sabbah**, E Al-Shalabi, S Bishtawi, G Albadawi, G Abu Sheikha

2. Al-Zaytoonah University of Jordan and the University of Toledo International Pharmaceutical Conference (ZTIPC 2017) “*New Horizons in Pharmaceutical Research*”, November 29-30th 2017, Amman, Jordan. Oral Presentation: Pharmacophore Based-Design of Phosphoinositide-3-Kinase (PI3K α) Inhibitors.

Dima A. Sabbah, Bayan Hishmah, Kamal Sweidan, Sanaa Bardaweel, Murad AlDamen, Haizhen A. Zhong, Reema Abu Khalaf, Ameerah (Hasan Ibrahim), Tariq Al-Qirim, Ghassan Abu Sheikha, Mohammad S. Mubarak

3. Al-Zaytoonah University of Jordan and the University of Toledo International Pharmaceutical Conference (ZTIPC 2017) “*New Horizons in Pharmaceutical Research*”, November 29-30th 2017, Amman, Jordan. Poster Presentation: Structure-Based Design, Synthesis, and Biological Evaluation of Benzoin Schiff Bases as Potential Antitumor Agents

Fatima Al-Tarawneh, **Dima A. Sabbah**, Wamidh Talib, Kamal Sweidan, Sanaa Bardaweel, Eveen Al-Shalabi, Haizhen A. Zhong, Ghassan Abu Sheikha, Reema Abu Khalaf, Mohammad S. Mubarak

4. Al-Zaytoonah University of Jordan and the University of Toledo International Pharmaceutical Conference (ZTIPC 2017) “*New Horizons in Pharmaceutical Research*”, November 29-30th 2017, Amman, Jordan. Poster Presentation: Ligand-Based Design: Synthesis and Optimization of Benzoin Scaffold as Phosphoinositide-3-Kinase (PI3K α) Inhibitors

Ameerah (Hasan Ibrahim), **Dima A. Sabbah**, Wamidh Talib, Kamal Sweidan, Sanaa Bardaweel, Ghassan Abu Sheikha

5. BIT's 15th Annual Congress of International Drug Discovery Science and Technology (IDDST), July 25-27th 2017, Osaka, Japan. Oral Presentation:



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Fluorinated Benzamides: Molecular Docking and Pharmacophore Modeling Studies Targeting CETP Inhibition

Dr. Reema Abu Khalaf*, Sarah Al-Rawashdeh, **Dima Sabbah**, Ghassan Abu Sheikha

6. ASU-Pharmacy Third Symposium "Recent Trends in Postgraduate Research", April 15-16th 2017, Amman, Jordan. Poster Presentation: *N*-Substituted- 4-Hydroxy-2-Quinolone-3-Carbox- amides as Potential PI3K α . The Poster is awarded the Third Place in Postgraduate Poster Competition.

Ameerah (Hasan Ibrahim), Bayan Hishmah, **Dima A. Sabbah**, Kamal Sweidan, Sanaa Bardaweel, Murad AlDamen, Reema Abu Khalaf, Haizhen A. Zhong, Tariq Al-Qirim, Ghassan Abu Sheikha

7. Gordon Research Conference: Mammalian DNA Repair, February 19-24th 2017, Ventura, CA, USA. Poster Presentation: Structure-Based Drug Design, Synthesis, X-ray Crystallography, and Biological Evaluation of *N*-Substituted-4-Hydroxy-2-Quinolone-3-Carboxamides as PI3K α Inhibitors.

Ghassan Abu Sheikha, **Dima A. Sabbah**, Bayan Hishmah, Kamal Sweidan, Sanaa Bardaweel, Murad AlDamen, Haizhen A. Zhong, Ameerah (Hasan Ibrahim), Reema Abu Khalaf, Tariq Al-Qirim

8. The University of Jordan School of Pharmacy, The 4th international Conference & the 2nd Conference of the Association of Faculties of Pharmacy at Jordanian Universities" *Excellence in Pharmacy Education & Research: A Quality Approach*", October 25-27th 2016, Amman, Jordan. Oral Presentation: Modeling The Protonation States of β -secretase Binding Pocket Employing Molecular Dynamic Simulations and Docking Studies

Dima A. Sabbah and Haizhen Zhong

9. The University of Jordan School of Pharmacy, The 4th international Conference & the 2nd Conference of the Association of Faculties of Pharmacy at Jordanian Universities" *Excellence in Pharmacy Education & Research: A Quality Approach*", October 25-27th 2016, Amman, Jordan.



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Poster Presentation: Structure-Based Drug Design, Synthesis, and Biological Evaluation of Benzoin Analogues as Potential PI3K α Inhibitors.

Dima A. Sabbah, Musaab Saada, Reema Abu Khalaf, Sanaa Bardaweel, Kamal Sweidan, Tariq Al-Qirim, Amani Al-Zughier, Heba Abdel Halim, Ghassan Abu Sheikha

10. ASU-Pharmacy Second Symposium "Recent Trends in Postgraduate Research", December 5-6th 2015, Amman, Jordan. Poster Presentation: Structure-Based Drug Design, Synthesis, and Biological Evaluation of Novel Benzoin Derivatives as anticancer agents

Musaab Saada, **Dima A. Sabbah**, Reema Abu Khalaf, Sanaa Bardaweel, Kamal Sweidan, Tariq Al-Qirim, Amani Al-Zughier, Heba Abdel Halim, Ghassan Abu Sheikha

11. Al-Zaytoonah University of Jordan and the University of Toledo International Pharmaceutical Conference (ZTIPC 2015) "Frontiers in the pharmaceutical sciences and pharmacy practice: A global perspective", October 21-23rd 2015, Amman, Jordan. Oral Presentation: From Hit to Lead: Structure-Based Drug Design, Synthesis, and Biological Evaluation of Novel Benzoin Derivatives as PI3K α Inhibitors.

Dima A. Sabbah, Musaab Saada, Reema Abu Khalaf, Sanaa Bardaweel, Kamal Sweidan, Tariq Al-Qirim, Amani Al-Zughier, Heba Abdel Halim, Ghassan Abu Sheikha

12. Computer Aided Drug Design: New Frontiers in computer-Aided Drug Design, July 19-24th 2015, VT, USA. Poster Presentation: Design, Synthesis and Biological Evaluation of Novel PI3K Alpha Inhibitors with Potential Anti-Cancer Activity.

Ghassan Abu Sheikha, **Dima A. Sabbah**, Reema Abu Khalaf, Tariq Al-Qirim, Sanaa Bardaweel

13. Ligand Recognition & Molecular Gating: Structure and Dynamics of Ion Channels, G-Protein Coupled Receptors, and Solute Transporters, March 23-



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28th 2014, Ventura, CA. Poster Presentation: Design, Synthesis, and Biological Evaluation of a New Series of Potential CETP Inhibitors.

*Ghassan Abu Sheikha, Reema Abu Khalaf, **Dima A. Sabbah***

14. The 15th Scientific Congress of the Jordanian Pharmacists Association, April 3-5th 2014, Amman, Jordan. Oral Presentation: Structure-Based Drug Design, Synthesis, and Biological Evaluation of a Novel Scaffold for PI3K α Inhibitors.

*Bayan S. Hishmah, **Dima A. Sabbah**, Ghassan M. Abu Sheikha*

15. The 15th Scientific Congress of the Jordanian Pharmacists Association, April 3-5th 2014, Amman, Jordan. Poster Presentation: Ligand-Based Drug Design: Pharmacophore Model and Database Search of Novel PI3K α Inhibitors.

***Dima A. Sabbah**, Neka A. Simms, Wang Wang, Yuxiang Dong, Edward L. Ezell, Michael G. Brattain, Jonathan L. Vennerstrom, Haizhen A. Zhong*

16. The Bioinformatics Symposium, March 4th 2014, Zarqa University, Amman, Jordan. Oral Presentation: Structure-Based Drug Design: Molecular Docking Studies of Phosphoinositide-3-Kinases.

***Dima A. Sabbah**, Jonathan L. Vennerstrom, and Haizhen Zhong*

17. The Cancer Symposium Day, May 15th 2013, Al-Zaytoonah University of Jordan, Amman, Jordan. Oral Presentation: *N*-Phenyl-4-hydroxy-2-quinolone-3-carboxamides as selective inhibitors of mutant H1047R PI3K α .

***Dima A. Sabbah**, Neka A. Simms, Wang Wang, Yuxiang Dong, Edward L. Ezell, Michael G. Brattain, Jonathan L. Vennerstrom, Haizhen A. Zhong*



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18. The 47th ACS Midwest Regional Meeting, October 24-27th 2012, Omaha, NE. Poster Presentation: Binding selectivity studies of phosphoinositide 3-kinases using free energy calculations.

Dima A. Sabbah, Jonathan L. Vennerstrom, Haizhen A. Zhong

19. The 44th annual PGSRM, June 7-9th 2012, University of Nebraska Medical Center, Omaha, NE. Poster Presentation: Structure-based drug design, synthesis, and biological evaluation of a novel scaffold for PI3 α inhibitors.

Dima A. Sabbah, Neka A. Simms, Wang Wang, Yuxiang Dong, Edward L. Ezell, Michael G. Brattain, Jonathan L. Vennerstrom, Haizhen A. Zhong

20. The Nebraska Academy of Sciences, April 20th 2012, Lincoln, NE. Oral Presentation: Synthesis, biological evaluation, and molecular docking studies of novel phosphoinositide-3-kinase (PI3 α) inhibitors.

Dima A. Sabbah, Neka A. Simms, Michael G. Brattain, Jonathan L. Vennerstrom, Haizhen A. Zhong

21. ACS Denver National Meeting, August 28 – September 1st 2011, Denver, CO. Poster Presentation: Investigation of phosphoinositide 3-kinases binding pocket using mm-pbsa.

Dima A. Sabbah, Jonathan L. Vennerstrom, Haizhen A. Zhong

22. TeraGrid '11, July 18-21st 2011, Salt Lake City, Utah. Poster Presentation: Modeling of PI3K using Molecular Dynamic Simulations on UNL Cluster.

Dima A. Sabbah, Jonathan L. Vennerstrom, Haizhen A. Zhong

23. The Nebraska Academy of Sciences, April 15th 2011, Lincoln, NE. Oral Presentation: Determination of β -secretase binding site charge employing MD simulation and molecular docking.

Dima A. Sabbah, Jonathan L. Vennerstrom, Haizhen A. Zhong



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24. ACS Anaheim National Meeting, March 27-30th 2011, Anaheim, CA. Poster Presentation: Discovery of Novel Inhibitors of Phosphoinositide-3-Kinases.
Dima A. Sabbah, Neka A. Simms, Michael G. Brattain, Jonathan L. Vennerstrom, Haizhen A. Zhong
25. The 45th Midwest Regional Meeting of the ACS, October 27-30th 2010, Wichita, KS. Poster Presentation: Pharmacophore Model, Database Search, Docking Study and Biological Assays for Novel PI3K α Inhibitors.
Dima A. Sabbah, Neka A. Simms, Michael G. Brattain, Jonathan L. Vennerstrom, Haizhen A. Zhong
26. AAPS Graduate Student Symposium in Drug Design and Discovery, November 8-12th 2009, Los Angeles, CA. Oral and Poster Presentations: Selectivity Studies of PI3K Inhibitors by Molecular Docking. This work is honored by the AAPS. "Graduate Student Symposium Award in Drug Design & Discovery"
Dima A. Sabbah, Jonathan L. Vennerstrom, Haizhen Zhong
27. The Nebraska Academy of Sciences, April 17th 2009, Lincoln, NE. Oral Presentation: Homology Modeling and Docking Studies of PI3K α/γ .
Dima A. Sabbah, Jonathan L. Vennerstrom, Haizhen Zhong
28. The 43rd ACS Midwest Regional Meeting, October 8-11th 2008, Kearney, NE. Oral Presentation: Computational Studies and Inhibitors Design of PI3K α .
Dima A. Sabbah, Jonathan L. Vennerstrom, Haizhen Zhong



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29. Participation in or organization of curricular and/or extra-curricular activities

- May 15, 2013, Organizer of One Day Symposium on Cancer, entitled "Cancer: Causes, Diagnosis, and Treatment".

30. Publications

1. **Sabbah, D. A.**, Hasan Ibrahim, A., Talib, W. H., Alqaisi K. M., Sweidan, K., Bardaweel, S., Abu Sheikha, G., Zhong, H. A., Abu Khalaf, R., Mubarak, M.M. Ligand-Based Drug Design: Synthesis and Biological Evaluation of Substituted Benzoin Derivatives as Potential Antitumor Agents. *Med. Chem.* **2018**, Accepted
2. Sweidan, K., Zalloum, H., **Sabbah, D. A.**, Idris G., Abudosh, K., Mubarak, M.M. Synthesis, characterization, and anticancer evaluation of some new N1-(anthraquinon-2-yl) amidrazone derivatives. *Can. J. Chem.* **2018**, Accepted.
3. Khan, H., **Sabbah, D. A.**, Zafar, M., Mubarak, M.S. Molecular Modeling Studies of Coruscanone (A) Core Nucleus as Potential Antifungal Agents. *Life Sci.*, **2018**, 209, 332-340.
4. **Sabbah, D. A.**, Al-Tarawneh, ^F., Talib, ^W., Sweidan, K., Bardaweel, S., Al-Shalabi, E., Zhong, H.A., Abu Sheikha, G., Abu Khalaf, R., Mubarak, M.M. Benzoin Schiff Bases: Design, Synthesis, and Biological Evaluation as Potential Antitumor Agents. *Med. Chem.* **2018**, 14, 695-708.
5. Al-Qtaitat, M. A., El-Abadelah, M. M., **Sabbah, D. A.**, Bardaweel, S., Sweidan, K., Sabri, S. S., Mubarak, M. S. Synthesis, characterization, and bioactivity of new biamidrazone derivatives as possible anticancer agents. *Med. Chem. Res.* **2018**, 27, 1419-1431.



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6. Abu Khalaf, R., **Sabbah D.**, Al-Shalabi E., Al-Sheikh, I., Albadawi G., Abu Sheikha G.; Synthesis, *Structural Characterization and Docking Studies of Sulfamoyl-Phenyl Acid Esters as DPP-IV Inhibitors*. *Curr. Comput. Aided Drug Des.* **2018**, 14, 142-151.
7. Abu Khalaf, R., **Sabbah D.**, Al-Shalabi E., Bishtawi S., Albadawi G., Abu Sheikha G. Synthesis, Biological Evaluation, and Molecular Modeling Study of Substituted Benzyl Benzamides as CETP Inhibitors. *Arch. Pharm.* **2017**, 350, e1700204
8. **Sabbah, D. A.**, Hishmah, B., Sweidan, K., Bardaweel, S., AlDamen, M., Zhong, H. A., Hasan Ibrahim, A., Abu Khalaf, R., Al-Qirim, T., Abu Sheikha, G., Mubarak, M.M. Structure-Based Drug Design: Synthesis, X-Ray Crystallography, and Biological Evaluation of *N*-substituted-4-hydroxy-2-quinolone-3-carboxamides as Potential PI3K α Inhibitors. *Anticancer Agents Med. Chem.* **2018**, 18, 263-276.
9. Sweidan K., Elayan M., **Sabbah D.**, Idrees G., Arafat T. Identification, Isolation, Characterization of the Degradation Products of Amisulpride Tablets, and Exploration of the Corresponding Degradation Pathways. *Curr. Pharm. Anal.* **2018**, 14, 157-165.
10. **Sabbah, D. A.**, Sweidan, K. Molecular Docking Studies of Novel Thiosemicarbazone-Based Indoles as Potential PI3K α Inhibitors. *Lett. Drug Des. Discov.* **2017**, 14(11): 1252-1258.
11. Arabiyat S., Kasabri V., Al-Hiari Y., Bustanji Y.K., Albashiti R., Almasri I. M., Sabbah D. A. Antipase and Antiproliferative Activities of Novel Fluoroquinolones and Triazolofluoroquinolones. *Chem. Biol. Drug Des.* **2017**, 90, 1282–1294.
12. Sweidan, K., **Sabbah, D. A.**, Bardaweel, S., Abu Sheikha, G., Al-Qirim, T., Salih, H., El-Abadelah, M. M., Mubarak, M. S., Voelter, W. Facile



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Synthesis, Characterization and Cytotoxicity Study of New 3-(Indol-2-Yl) Bicyclotetraazatridecahexaens. *Can. J. Chem.* **2017**, 95(8): 858-862.

13. Abu Khalaf, R., Abd El-Aziz H., **Sabbah D.**, Albadawi G., Abu Sheikha G. CETP Inhibitory Activity of Chlorobenzyl Benzamides: QPLD Docking, Pharmacophore Mapping, and Synthesis. *Lett. Drug Des. Discov.* **2017**, 14, 1391-1400.
14. Hikmat, S., Al-qirim T., *Alkabbani, D., Shattat, G., Abu Sheikha, G., Sabbah, D., Abu khalaf, R., Al-hiari, Y.* Synthesis and in vivo anti-hyperlipidemic activity of novel *N*-benzoylphenyl-2-furamide derivatives in Wistar rats. *Trop. J. Pharm. Res.* **2017**, 16, 1, 193-201
15. Abu Khalaf, R., Al-Rawashdeh S., **Sabbah D.**, Abu Sheikha G. Molecular Docking and Pharmacophore Modeling Studies of Fluorinated Benzamides as Potential CETP Inhibitors. *Med. Chem.* **2017**, 13 (3), 239-253
16. **Sabbah, D. A.**, Zhong H. Modeling the Protonation States of β -Secretase Binding Pocket by Molecular Dynamics Simulations and Docking Studies. *J. Mol. Graph. Model.* **2016**, 68, 206-215
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