Vitae of

Dr. Sandra Chimon Peszek

Education:

2007	Post-Doctorate in Bio-Analytical Chemistry, Department of Chemistry, University of Illinois at Chicago, Chicago, IL
2006	PhD in Analytical Chemistry, Department of Chemistry, University of Illinois at Chicago, Chicago, IL *Dissertation title:* "Structural studies of toxic amyloid intermediates for Alzheimer's beta peptide and its pathogenic mutant" *Dissertation adviser:* Yoshitaka Ishii
2000	BS in Chemistry, Department of Chemistry, University of Illinois at Chicago, Chicago, IL

Academic Appointment:

2011- Present	*Assistant Professor,* Department of Chemistry, DePaul University, Chicago, IL
2009 – 2011	*Visiting Assistant Professor,* Department of Chemistry, DePaul University, Chicago, IL
2008 – 2009	*Adjunct Professor,* Department of Chemistry, Elmhurst College, Elmhurst, IL
2008 – 2009	*Adjunct Professor,* Department of Chemistry, Prairie State College, Chicago Heights, IL
2008	*Adjunct Professor*, Department of Education, National Louis University
2007	*Postdoctoral Research Associate*, Department of Chemistry, University of Illinois at Chicago, Chicago, IL
2001 – 2006	*Graduate Research Assistant*, Department of Chemistry, University of Illinois at Chicago, Chicago, IL
2001 – 2004	*Teaching Assistant*, Department of Chemistry, University of Illinois at Chicago, Chicago, IL
1999 – 2000	*Research Laboratory Assistant*, Department of Chemistry and Department of Kinesiology, University of Illinois, Chicago, IL
1997 – 1998	*Research Laboratory Assistant*, Department of Biology, University of Illinois, Chicago, IL

Administrative Appointments:

2011- Present	*Director of Undergraduate Studies,* Department of Chemistry, DePaul University, Chicago, IL
2001 – 2003	*Documentation Specialist,* CQA Department, Wm. Wrigley, KForce Scientific, Chicago, IL
1999 – 2001	*Insurance and Title Analyst,* Great Dane Financial, Chicago, IL
1998 – 1999	*Executive Administrative Assistant/Assistant Financial Analyst,* CC Industries, Chicago, IL
1992 – 1996	*Licensed Pharmacy Technician*, Omni Pharmacy, Orland Park, IL

Grants and Contracts:

2012	New Initiative Funding Request for SRAC with other CSH faculty members
2011	Brain Research Foundation Seed Grant (applied with an LOI for $40,000, but waiting for response)
2011	Beckman Young Investigators Grant from the Arnold and Mabel Beckman Foundation (applied with an LOI, but not awarded)

2011 DePaul University Faculty Summer Research Grant from the College of Science and Health ($5700)
2011 DePaul University Research Council for the Competitive Research Grant ($3500)
2011 DePaul University Undergraduate Research Assistantship of the College of Science and Health support for Luvleen Kaur of spring 2012 ($675)
2011 DePaul University Undergraduate Research Assistantship of the College of Science and Health support for Nadrine Omar of winter 2012 ($675)
2011 DePaul University Undergraduate Research and Develop Committee of the College of Liberal Arts and Sciences support for Sarah Zawadski and Sean Reinsalu – summer research grant, ($1500 each)
2010 DePaul University Undergraduate Research and Develop Committee of the College of Liberal Arts and Sciences support for Nora O'Byrne Winter and Spring of 2010 (total $1350)
2006 Student Travel Fellowship, University of Illinois Graduate College
2006 Student Travel Fellowship, Women in Science and Engineering, University of Illinois
2006 Student Travel Fellowship University of Illinois Graduate Student Council
2005 Student Travel Fellowship, Experimental Nuclear Magnetic Resonance Conference

Research/Scholarship:

Undergraduate students are underlined. Formally published under Chimon, S.

1. Renisalu, S., Rohn, E., Abuaf, A. and Chimon-Peszek, S., "An Attenuated Total Reflection Infrared Spectroscopy Study Reveals the Secondary Structure Conformational Changes of the Nano-sized Neurotoxic Amyloid Intermediate for Alzheimer's β-Amyloid Peptides 22-35", *in progress*
2. Omar, N., Mockaitis, L., Polaskey, B., and Chimon-Peszek, S., Mechanical and Analytical Techniques Used to Analyze Beta Sheet Formation of the Italian and Arctic Single Point Mutations for Alzheimer's Beta Amyloid Peptide*", in progress*
3. Udad, X., Reinsalu, S., Zawadski, S., and Chimon-Peszek, S., "Secondary Structure and Fibrillization of the Iowa Mutant of Alzheimer's Beta-amyloid 22-35". In progress
4. Mockaitis, L., Kahl, D., Dagaas, B., and Chimon-Peszek, S., "Extraction of Milk Thistle", *in progress.*
5. Parker, K., Justusson, J., Mockaitis, L., Wenk, R. C., and Chimon-Peszek, S. "Curcumin and its Effects on Alzheimer's Disease", *in progress*
6. Di Maso, L., Bermutuz, K., Wenk., R.C., Mockaitis, L., and Chimon Peszek, S., "Melatonin and its effects on Alzheimer's Disease", *in progress.*
7. Chimon, S., Calero, D., Shaibat, M., and Ishii, Y., "Insoluble" Intermediate and Misfolding Kinetics of the Arctic Mutation (E22G) of Alzheimer's β-Amyloid Peptide for Structural Studies by Solid-State NMR, 2012, *in progress.*
8. Chimon, S., Rios, N., Christy, R., Fu, J., and Ishii, Y., Solid State NMR Study of Supramolecular Structures of Non-β-Amyloid Component Peptide Fragment, NAC 8-18 in Neurotoxic Amyloid Fibrils, 2012, *in progress.*
9. Chimon, S., Shaibat, M., Jones, C., Calero, D., Azizi, B., and Ishii, Y., Evidence of Fibril-Like β-sheet Structures in Neurotoxic Amyloid Intermediate for Alzheimer's β-Amyloid, *Nature Structural & Molecular Biology*, 2007, *14*, 1157-1164. *(Highlighted article in various electronic news releases, links to articles available upon request).
10. Chimon, S. and Ishii, Y., Capturing Intermediate Structures of Alzheimer's β-Amyloid, Aβ (1-40), by Solid-State NMR Spectroscopy, *Journal of the American Chemical Society* 2005,

127(39), 13472-13473. *(Highlighted article in various electronic news releases, links to articles available upon request).

11. Ishii, Y., Wickramasinghe, N., and Chimon. S., A New Approach in 1D and 2D ^{13}C High-Resolution Solid-State NMR Spectroscopy of Paramagnetic Organometallic Complexes by Very Fast Magic-Angle Spinning, *Journal of the American Chemical Society* 2003, *125(12),* 3438-3439

Presentations/Scholarly Papers:

1. **53rd Annual Experimental NMR Conference,* Miami, Florida (2012). "Structural studies of the shortened fragment of the wild type β-amyloid peptide and the structural effects of various orthomolecular species on its misfolding" Peszek, S.
2. **56th Annual Meeting: Biophysical Conference,* San Diego, California (2012). "Can we prevent the beta amyloid peptide, the characteristic peptide found in Alzheimer's disease, from becoming neurotoxic?**"** Peszek, S.
3. *Invited Guest Speaker, Chemistry 394***,** DePaul University, Illinois **(**2011). "Bioanalytical Instrumentation and Techniques Used to Study Alzheimer's Disease and Various Orthomolecular Medical Treatments" Peszek, S.
4. *Invited Guest Lecturer and Course Developer, Equinox Program for Northwestern University's Center for Talent Development's Summer Program,* Northwestern University, Illinois (Summer 2011). **"**Chemistry 104. Culinary Science: Eat to Live, Live to Eat" Peszek, S.
5. *Invited Guest Speaker, Discover Chicago, LSP 110***,** DePaul University, Illinois **(**2010). **"**What We Need, How It All Works, and Too Much of a Good Thing" Peszek, S.
6. *48th Annual Meeting: Experimental Nuclear Magnetic Resonance Conference*, Florida (2007). "Structural Insights into Plaque Precursors for a Pathogenic Mutant of Alzheimer's β-Amyloid, E22G Aβ(1-40) by Solid State NMR" Chimon, S.; Calero, D.; Jones, C., Shaibat, M., Aizezi, B., and Ishii, Y.
7. *58th Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy*, Illinois (2007) "Solid-State NMR Analysis of Amyloid Nano-Spheres" Ishii, Y. and Chimon, S.
8. *48th Rocky Mountain Conference on Analytical Chemistry*, Colorado (2006). "Multi-Dimensional Solid-State NMR of Paramagnetic Compounds Under Very-Fast Magic Angle Spinning." Jones, C., Chimon, S., and Ishii, Y.
9. *2nd Annual Midwest Protein Misfolding Conference*, Indiana (2006). ""Insoluble" Intermediate and Misfolding Kinetics of the Arctic Mutation (E22G) of Alzheimer's β-Amyloid Peptide for Structural Studies by Solid State NMR" Chimon, S.; Calero, D.; and Ishii, Y.
10. *47th Annual Meeting: Experimental Nuclear Magnetic Resonance Conference,* California (2006). ""Insoluble" Intermediate and Misfolding Kinetics of the Arctic Mutation (E22G) of Alzheimer's β-Amyloid Peptide for Structural Studies by Solid State NMR", Chimon, S.; Calero, D.; and Ishii, Y.
11. *46th Annual Meeting: Experimental Nuclear Magnetic Resonance Conference,* Rhode Island (2005). "Trapping Intermediate Fibril Formation of Alzheimer's β-Amyloid Peptides for Characterization by the use of Solid-State NMR Spectroscopy" Chimon, S. and Ishii, Y.
12. *Chicago Area Nuclear Magnetic Resonance Discussion Group*, Illinois (2005). "Solid State NMR Studies of Intermediate Structures in Misfolding of the Alzheimer's β-Amyloid Peptide, Aβ(1-40)" Chimon, S. and Ishii, Y.
13. *2004 University of Illinois at Chicago Chapter Sigma Xi Graduate Forum.* Illinois, (2004). "Trapping meta-stable intermediates in fibril formation of Alzheimer's β-amyloid peptide for Solid-State NMR spectroscopy" Chimon, S., and Ishii, Y.
14. *2003 University of Illinois at Chicago Chapter Sigma Xi Graduate Forum.* Illinois, (2003). "Establishing Preparation of Fibril and Early Stage Aggregates of Alzheimer's β-amyloid peptide for Solid-State NMR spectroscopy" Chimon, S., and Ishii, Y.

15. *15th Meeting: International Society of Magnetic Resonance*, Florida (2004). "Trapping Intermediates in Fibril Formation of Alzheimer's β-Amyloid Peptides for Solid-State NMR Spectroscopy and Other" Chimon, S. and Ishii, Y.
16. *36th Central Regional American Chemical Society Conference*, Indiana. (2004). "Restoring ^{13}C-^{13}C Dipolar Coupling with a RFDR Sequence for Paramagnetic Systems Under Very Fast Magic Angle Spinning "VFMAS"", Chimon, S., and Ishii, Y.
17. *University of Illinois at Chicago Chemistry Poster Session.* Illinois, (2002). "Establishing Preparation of Fibril and Early Stage Aggregates of Alzheimer's β-amyloid peptide for Solid-State NMR spectroscopy" Chimon, S., and Ishii, Y.

Other Professional Activities:

2012	Focus group for the Atoms Approach book for Nivaldo Tro
2012	Co-Author for "Atoms First 2e Lab Manual" by McMurry/Fay (to be published in June 2013)
2012	Online biochemistry exam writer for WGU
2012	Reviewer for "Atoms First Chemistry, 3ed" by Gibert, Kirss, and Foster
2012	Reviewer for the "*Chemistry: Structures & Properties,* 1ed" by Tro
2012	Reviewer for Chirality Journal
2011	Co-chair of the Molecular Advancements in Alzheimer's Disease for Chicago Chapter of the Society of Neuroscience
2011	Course Developer, Equinox Program for Northwestern University's Center for Talent Development's Summer Program, Northwestern University, Illinois
2011	Reviewer for the "Atoms First" by McMurray and Fay, Version 2
2011	Reviewer for Chirality Journal

Awards and Recognition:

2012	Nominated for excellence in teaching in the College of Science and Health
2012	Featured in DeBlogs for teaching http://deblogs.depaul.edu/TomHagerman/Pages/TheGenChemistrySequenceDrSandraChimon-Peszek.aspx
2011	Honoree as a "Woman Inspiring Others" awarded by the Woman of Spirit & Action during the Annual Louise de Marillac Series at DePaul University

Memberships in Professional Organizations and Official Positions:

2011 – Present	Biophysical Society
2011 – Present	Faculty for the Undergraduate Neuroscience
2007 – Present	Women Entrepreneurs in Science and Technology
2006 - Present	Society for Neuroscience
2006 – 2011	Women in Science and Engineering
2006 – 2011	American Association for the Advancement of Science
2006 – 2011	Association for Women in Science
2005 – Present	American Association of University Women
2003 – 2011	Society for Applied Spectroscopy
2002 – Present	Research Coordination Network NMR of Biological Solids
2001 – 2011	American Chemical Society

Office held:

2010 – Present	Council Member, Chicago Chapter of the Society of Neuroscience

Service:

College:

2013 Articulation Chair
2012 CSH Research and Faculty Development Committee Member
2012 Member of the Pre-Health Advising Sub-Committee for Mission Statement
2012 Member of the Pre-health Advising Committee
2012 Organizer & lead contact of starting Sigma Psi, The Scientific Research Society
2012 SRAC CSH Neuroscience proposal chemistry contact person
2012 Chemistry Representative for the Major/Minor fair
2012 Guest speaker for the CHS advising workshop
2011 CSH Research and Faculty Development Committee Member
2011 CSH Reviewer for the Faculty Summer Research Grant
2011 CSH Reviewer for the Undergraduate Research Assistantship
2011 Editorial board member of the Student Journal Subcommittee for CSH
2011 DePaul University Neuroscience Club Faculty Member
2011 Summer Academic Advising
2011 Chemistry Representative for the Major/Minor fair

Departmental:

2013 Academic advisor to 43 students
2013 Scholarship Task Force Chair
2013 SWOT analysis Committee Member
2012 Organic Search Committee Member
2012 Inorganic Search Committee Member
2012 Personal Committee Member
Review for Ruben Parra's Full Professorship
2012 Chemistry Advising Chair
2012 Faculty Advisor for the Chemistry Club
2012 Chemistry Assessment Committee Member
2012 Chemistry Scholarship Task Force Chair
2012 OAAS Liaison
2012 General Chemistry Committee Member
2012 Chemistry Curriculum Committee Member
2012 Chemistry Personnel Committee Member
2012 Responsible for articulation verification and contact person (average of 12 articulations per month)
2011 Director of Undergraduate Studies
2011 General Chemistry Committee Chair
2011 Chemistry Scholarship Task Force Chair
2011 Chemistry Curriculum Committee Chair
2011 Chemistry Advising Chair
2011 Chemistry Assessment Committee
2011 Policy Committee Member
2011 Administrative Task Force Member
2011 Contribute to the chemistry news letter, *The Catalyst*
2011 Instrumentation Committee (NMR & FTIR)
2010 General Chemistry Committee Member
2010 Chemistry Scholarship Committee Member
2010 Assist the Instrumentation Committee (NMR & FTIR) Member
2010 Contribute to the chemistry news letter, *The Catalyst*
2009 General Chemistry Committee Member
2009 Assist the Instrumentation Committee (NMR & FTIR)
2009 Contribute to the chemistry news letter, *The Catalyst*

Community:

2012	DePaul Open House Volunteer
2012	Chaired the Halloween Extravaganza with the Pnuts and DePaul Chemistry Club
2012	Co-chaired outreach at St. Michael's Fall Fest, Orland Park, IL
2012	Develop, chair, and organize bi-weekly community outreach at "For Your Child Preschool" with my research students discussing health, science, and nutrition
2012	Judge for the Chicago Area Undergraduate Research Symposium
2012	Council Member, Chicago Chapter of Society of Neuroscience
2011	Co-chair of the Molecular Advancements in Alzheimer's Disease Council Member, Chicago Chapter of the Society of Neuroscience
2011	Invited guest speaker: Dr. Yoshitaka Ishii to the Chicago Chapter Meeting
2011	Course Developer, Equinox Program for Northwestern University's Center for Talent Development's Summer Program, Northwestern University, Illinois (Summer 2011). **"**Chemistry 104. Culinary Science: Eat to Live, Live to Eat" Peszek, S
2011	Judge for the Chicago Area Undergraduate Research Symposium.
2010	Council Member, Chicago Chapter of the Society of Neuroscience Prepared and submitted grant proposals to AAA Outreach Grant for the Chicago Brain Bee/Brain Awareness Day : *"Education Outreach Anatomist Society Grant"*

Current Research and Professional Activities:

2012	Invited guest speaker, Mrignayani Kotecha for a discussion on imagining. Great turn out (2 university Faculty and 43 students)
2012	Member of the focus group for the Atoms Approach book for Nivaldo Tro
2012	Applied for the Public Voices Thought Leadership Fellowship Program
2012	CIRRUS team leader
2012	CO-Author for "Atoms First 2e Lab Manual" by McMurry/Fay
2012	Online biochemistry exam writer for WGU
2012	Reviewer for "Atoms First Chemistry, 3ed" by Gibert, Kirss, and Foster
2012	Reviewer for the "*Chemistry: Structures & Properties,* 1ed" by Tro
2012	Reviewer for Chirality Journal
2012	Member of the NIH Early Career Reviewer Program
2012	Organizing the Halloween Extravaganza Chemistry Day
2012	Mentored 35 undergraduate research assistants.
2012	Mentored 10 JYEL students
2012	Mentored and Master Thesis Advisor for Raymond "Chuck" Wenk
2012	Summer advisor for the College of Science and Health
2012	Pre-health advisor
2012	Academic advising of 29 students
2011	Participated in the CSH Neuroscience and Physiological Laboratory SRAC Grant
2011	Co-chaired with the Halloween Extravaganza with the DePaul Chemistry Club
2011	Organized Advising Open House for the Department of Chemistry at DePaul University
2011	Member of the NIH Early Career Reviewer Program
2011	Restructured most of the General Chemistry Lab reports formats for the entire sequence to have worksheets and formal reports
2011	Assisted in the development of Chemistry 397, "Research Methods"
2011	Lead and organized numerous General Chemistry Committee meetings

2011	Lead and organized numerous Chemistry Advising Committee meetings
2011	Initiated and implemented the "Research Appreciation" bulletin board
2011	Implemented Mastering Chemistry for the Chem 101G course.
2011	Lead assessment of online software, ALeKS, for general chemistry
2011	Updated the GCC policies for all the general chemistry sequence courses
2011	Implemented new online software, Mastering Chemistry, for the general chemistry courses
2011	Introduced D2L drop box for our lab reports to help us in 2 fold a) for future assessments and b) to verify their authenticity and eliminate any academic integrity
2011	Reviewer for the "Atoms First" by McMurray and Fay, Version 2
2011	Invited guest speaker: Kristin Jansen Labby to DePaul University from the Chemistry Department at Northwestern University to discuss the graduate programs and their advantages (5/19/ 2011)
2010	Redesigned 9 new labs for Chem 105, nutrition to incorporate science into everyday life
2010	Assisted in grant proposal for new instrument with Dr. Justin Maresh
2010	Judged students research results at the Chicago Area Undergraduate Research Symposium held at DePaul University
2009- 2010	Designed 2 new "Quantitative Projects" for chemistry 105 incorporating latest journal articles and utilizing deductive reasoning skills
2009-Present	Attended faculty meetings within the chemistry department
2009	Assisted the ACS Chemistry Day held at DePaul University
2009	Assisted in preparing grant proposal with Dr. Justin Maresh
2009	Assisted with the ACS Chemistry Day at DePaul University

Mentoring in Research:

Master Thesis Advisor for:

Raymond "Chuck" Wenk, DePaul University, Chicago, IL, 2012-2013
Thesis title pending

Xavier Udad, DePaul University, Chicago, IL, 2009-2011
Thesis title "Investigating the process of fibril formation of the Iowa mutant of the Alzheimer's Peptide"

Students Awards and Honors:

DePaul University Research and Develop Committee of the College of Liberal Arts and Sciences, summer 2011.

Sarah Zawadski – Summer research grant, "Utilization of Nuclear Magnetic Resonance Spectroscopy, Circular Dichroism Spectroscopy, and Transmission Electron Microscopy to Analyze structural Transformations and Neurotoxicity Levels of Beta-Amyloid Peptides for Italian, Dutch and Iowa Single Point Mutation" ($1500)

Sean Reinsalu – Summer research grant, "Structural studies of the "Wild Type" Alzheimer's β-amyloid 22-35 peptide will help uncover structural changes of the protein and intermediate species". ($1500)

DePaul University Research and Develop Committee of the College of Liberal Arts and Sciences, Winter and Spring 2011

Nora O'Byrne – Winter and Spring research grant. "Structural Analysis of Aβ(22-35) E22G Dutch Mutant with UV/Vis and ATR-IR Spectroscopy". ($675x2)

Alzheimer's Association ISTAART and AAICAD Conference in Paris, France 2011

Sarah Zawadski – Travel award including registration, flight, hotel, food and metro pass (valued at $3000)
Sean Reinsalu – Travel award including registration, flight, hotel, food and metro pass (valued at $3000)
Nadrine Omar – Travel award including registration, flight, hotel, food and metro pass (valued at $3000)

DePaul University Research and Develop Committee of the College of Liberal Arts and Sciences, Undergraduate Research Assistantship, Winter and Spring 2011, Nora O'Byrne ($1350 total).

Chicago Area Undergraduate Research Symposium 2011
Nadrine Omar - Overall Best Poster Presentation ($500) 2011
Jared Isaac - Top Chemistry Poster Presentation ($100) 2011
Ilysha Minor - Top DePaul Poster Presentation 2011

Chicago Chapter of the Society for Neuroscience 2011
Ryan Kravetz - Award for Abstract Submission 2011
Sean Reinsalu - Award for Abstract Submission 2011
Veronica Perez - Award for Abstract Submission 2011
Jared Isaacs - Award for Abstract Submission 2011
Luvleen Kaur - Award for Abstract Submission 2011
Jennifer Sepe - Award for Abstract Submission 2011
Nadrine Omar - Award for Abstract Submission 2011
Sarah Zawadski - Award for Abstract Submission 2011

Chicago Chapter of the Society for Neuroscience 2010
Xavier Udad - Award for Abstract Submission 2010
Andrew J. Miller - Award for Abstract Submission 2010
Elizabeth Ann Rohn - Award for Abstract Submission 2010
Amanda Abuaf - Award for Abstract Submission 2010

Chicago Chapter of the Society for Neuroscience Undergraduate Poster Competition
Elizabeth Ann Rohn – Second place ($250) 2010

Students Conference Presentations (talks)

1. *Chicago Area Undergraduate Research Symposium*, Chicago (April 2nd, 2011). "Spectral Analysis of the Single Point Mutation, Dutch (E22Q) Beta Amyloid Fragment Associated with Alzheimer's Disease", Hynes, F., O'Byrne, N., Kravetz, R., Gomez, L., Minor, I., and Chimon Peszek, S.
2. *Annual Chemistry Symposium and Awards Ceremony*, DePaul University Chicago, IL (June 4, 2010). "Structural Studies and Neurotoxic Effects of a Soluble Oligomer of the Amyloid Beta Peptide Fragment (22-35)", Rohn, E., Udad, X., Abuaf, A., Miller, A., Hynes, F., and Chimon Peszek, S.

Students Conference Presentations (posters)

1. *The Tenth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2012). "Vitamin B12 may be the new cure for Alzheimer's disease", Voce, A., Clausen, K., Sweis, R., Parker, K., and Chimon Peszek, S.
2. *The Tenth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2012). "Milk Thistle seeds, a treatment for liver disease, also a preventative for the misfolding of the β-amyloid peptide?", DaGaas, B., Kahl, D., and Chimon Peszek, S.
3. *The Tenth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2012). "Silymarin and its extraction techniques. A new approach and model", Kahn, D., DaGaas, B., and Chimon Peszek, S.

4. *The Tenth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2012). "The Structural Determination of the Amyloid-β Peptide Via the H/D Exchange by the use of Nuclear Magnetic Resonance", Wenk, R., and Chimon Peszek, S.
5. *The Tenth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2012). "Rosemary's effect on the misfolding of the beta amyloid peptide", Rozemberg, J., Abbasi, R., Mockaitis, L., Parker, K., Oleynichenko, A., and Chimon Peszek, S.
6. *The Tenth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2012). "Curcumin, not just a spice used in cooking, but a preventative for the misfolding of the Alzheimer's beta amyloid peptide", Parker, K., Justusson, J., Mockaitis, L., and Chimon Peszek, S.
7. *The Tenth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2012). "The effect of Melatonin and Curcumin on Alzheimer's peptide", Clausen, K., Di Maso, L., Bermudez, K., Naughton, S., and Chimon Peszek, S.
8. *The Tenth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2012). "The toxic effects of the beta amyloid peptide on neural cells and various orthomolecular species", Mockaitis, L., Kahl, D., DaGaas, B., Wenk, R., and Chimon Peszek, S.
9. *The Tenth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2012). "Rosemary as a possible cure for Alzheimer's disease ", Abbasi, R., Rozemberg, J., Parker, K., Oleynichenko, A., and Chimon Peszek, S.
10. *The Tenth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2012). "Miracle Berry and its effects on Alzeimher's disease", Zawadski, S., Sweis, R., Minor, I., Omar, N., Liszewski, S., and Chimon Peszek, S.
11. *The Tenth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2012). "Spectral interpretation of the data acquired via FTIR for the misfolding of the beta amyloid peptide and various orthomolecular species. ", Oleynichenko, S., Reinsalu, S., Zawadski, S., Perez, V., Rohn, E., Udad, X., Clausen, K., and Chimon Peszek, S.
12. *The Tenth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2012). "The misfolding of the beta amyloid peptide found in Alzeimer's patients and its effects of various prions diseases including type II diabetes ", Reinsalu, S., Zawadski, S., Perez, V., and Chimon Peszek, S.
13. *The Tenth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2012). "Melatonin, a sleep aide, can possibly be used as a preventative for Alzheimer's", Naughton, S., Di Maso, L., Bermudez, K., and Chimon Peszek, S.
14. *The Tenth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2012). "A single point mutation of Alzheimer's beta amyloid peptide causes total brain degeneration by the age of 30 ", Pena, S., Voce, A., Omar, N., Mendez, A., Kyoseva, T., Abuaf, A., Sepe, J., and Chimon Peszek, S.
15. *The Tenth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2012). "Similarities between various orthomolecular species and their effect on the Alzheimer's beta amyloid peptide", Kyoseva, T., Mendez, A., Isaacs, J., Sweis, R., Minor, I., Omar, N., Liszewski, S., Reinsalu, S., and Chimon Peszek, S.
16. *The Tenth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2012). "The effect of Alcohol on the Beta Amyloid Peptide", Polaskey, B., and Chimon Peszek, S.
17. Midwestern Symposium on Undergraduate Research in Chemistry, East Lansing, MI (2012). "Alzheimer's Disease at the early age of 30? Can this happen?", Voce, A., Omar, N., Mendez, A., Kyoseva, T., Abuaf, A., Sepe, J., and Chimon Peszek, S.
18. Midwestern Symposium on Undergraduate Research in Chemistry, East Lansing, MI (2012). "The effects of Alcohol on the Alzheimer's Peptide, Aβ (22-35). Can we drink alcoholic

beverages and prevent Alzheimer's disease?", Polaskey, B., Mockaitis, L., Shah, S., and Chimon Peszek,S.

19. Midwestern Symposium on Undergraduate Research in Chemistry, East Lansing, MI (2012). "Can Milk Thistle Prevent Alzheimer's Disease?", Rozemberg, J., Kahl, D., Dagaas, B., and Chimon Peszek, S.
20. Midwestern Symposium on Undergraduate Research in Chemistry, East Lansing, MI (2012). "Curcumin Solubility and its Effect on Alzheimer's Disease", Parker, K., Justusson, J., Mockaitis, L., Wenk, R., Clausen, K., and Chimon Peszek, S.
21. Midwestern Symposium on Undergraduate Research in Chemistry, East Lansing, MI (2012). "Can Melatonin Help Prevent Alzheimer's Disease?", Clausen, K., Di Maso, L., Bermudez, K., Naughton, S., and Chimon-Peszek, S.
22. Midwestern Symposium on Undergraduate Research in Chemistry, East Lansing, MI (2012). "Analysis of the Structural Changes of the Wild Type Peptide (AB22-35) Using Attenuated Total Reflectance Infrared Spectroscopy and Ultraviolet Visible Spectroscopy", Abbasi, R.,, Zawadski, S., Reinsalu, S., Rohn, E., and Chimon Peszek, S.
23. *CIRRUS Showcase*, Chicago, Illinois (2012). "Curcumin Solubility and its Effect on Alzheimer's Disease", Parker, K., Justusson, J., and Dr. Sandra Chimon Peszek
24. *CIRRUS Showcase*, Chicago, Illinois (2012). "Can Melatonin Help Prevent Alzheimer's Disease?", Di Maso, L., Bermudez, K., Naughton,S., and Dr. Sandra Chimon-Peszek
25. *CIRRUS Showcase*, Chicago, Illinois (2012). "Can Milk Thistle Prevent Alzheimer's Disease?", Kahl, D., Dagaas, B., and Dr. Sandra Chimon Peszek
26. *53rd Annual Experimental NMR Conference*, Miami, Florida (2012). "Structural studies of the shortened fragment of the various single point mutations of the β-amyloid peptide" Kang, A., and Chimon Peszek, S.
27. *10th Annual Meeting: Chicago Chapter of the Society for Neuroscience*, Chicago (2012). "Who Wouldn't Want More Spice In Their Life?" Liszewski, S., and Chimon Peszek, S.
28. *10th Annual Meeting: Chicago Chapter of the Society for Neuroscience*, Chicago (2012). "Investigating the effects of Melatonin, Calcium, and Miracle Berry on the Conformational Reorganization that is Attributed with Amyloid Formation of Alzheimer's Peptides." Uluocha, R., and Chimon Peszek, S.,
29. *10th Annual Meeting: Chicago Chapter of the Society for Neuroscience*, Chicago (2012). "Beta-Sheets, Mutations, and Orthomolecular Inhibitors OH MY: a comparison of beta-sheet production across mutants and the effects of B17 on inhibition of fibril formation." Reinsalu, S., and Chimon Peszek, S.
30. *10th Annual Meeting: Chicago Chapter of the Society for Neuroscience*, Chicago (2012). "Can The Formation of Amyloid Fibrils Be Prevented Using Silymarin?" Polaskey, B., and Chimon Peszek, S.
31. *10th Annual Meeting: Chicago Chapter of the Society for Neuroscience*, Chicago (2012). "Could Milk Thistle (Silymarin) Be a Cure For Alzheimer's?" Mockaitis, L., and Chimon Peszek, S.
32. *10th Annual Meeting: Chicago Chapter of the Society for Neuroscience*, Chicago (2012). "Innovations in the fight with Alzheimer's Disease." Kyoseva, T., and Chimon Peszek, S.
33. *10th Annual Meeting: Chicago Chapter of the Society for Neuroscience*, Chicago (2012). "Could Dietary Supplements Calcium and Milk Thistle Extract Have an Appreciable Effect on Alzheimer's Disease?" Wenk, R., and Chimon Peszek, S.
34. *10th Annual Meeting: Chicago Chapter of the Society for Neuroscience*, Chicago (2012). "Structural Studies of the Shortened Fragment Beta Amyloid Peptide and its point mutations and the Potential Inhibition of Aggregation by Melatonin and Curcumin." Kang, A., and Chimon Peszek, S.
35. *Chicago Area Undergraduate Research Symposium*, Chicago (2012). "Exotic Alternatives as Preventatives for Alzheimer's Disease" Minor, I. and Chimon Peszek, S.

36. *Chicago Area Undergraduate Research Symposium*, Chicago (2012). "Missense Mutation in Familial Alzheimer's Disease" Kaur, L. and Chimon Peszek, S.
37. *Chicago Area Undergraduate Research Symposium*, Chicago (2012). "Eating and sleeping, is this a cure for Alzheimer's disease?" Liszewski, S. and Chimon Peszek, S.
38. *Chicago Area Undergraduate Research Symposium*, Chicago (2012). "Amygdalin and its potential effects on the progression of Alzheimer's disease" Litt, B. and Chimon Peszek, S.
39. *Chicago Area Undergraduate Research Symposium*, Chicago (2012). "Testing new grounds: making mutated peptides glow and testing for an Amygdalin (Vitamin B17) treatment for Alzheimer's disease" Pena, S. and Chimon Peszek, S.
40. *Chicago Area Undergraduate Research Symposium*, Chicago (2012). "Miracle Berry: A possible preventative for Alzheimer's disease? Type II diabetes?" Sweis, R. and Chimon Peszek, S.
41. *Chicago Area Undergraduate Research Symposium*, Chicago (2012). "Is the prevention for Alzheimer's already in your medicine cabinet?" Sepe, J. and Chimon Peszek, S.
42. *Chicago Area Undergraduate Research Symposium*, Chicago (2012). "Single point mutation of the Alzheimer's beta-amyloid peptide – Arctic" Mendez, A. and Chimon Peszek, S.
43. *Chicago Area Undergraduate Research Symposium*, Chicago (2012). "Characteristics of the arctic point mutation in Alzheimer's" Kyoseva, T and Chimon Peszek, S.
44. *Chicago Area Undergraduate Research Symposium*, Chicago (2012). "Alzheimer's disease at 30? Is this possible?" Omar, N. and Chimon Peszek, S.
45. *Chicago Area Undergraduate Research Symposium*, Chicago (2012). "Will the mutation of a peptide affect beta sheet formation?" Oleynichenko, A and Chimon Peszek, S.
46. *Chicago Area Undergraduate Research Symposium*, Chicago (2012). "Beta sheets, mutation, and orthomolecular inhibitors, OH MY: A comparison of beta-sheet production across mutants and the effects of B17 on inhibition of fibril formation" Reinsalu, S. and Chimon Peszek, S.
47. *Chicago Area Undergraduate Research Symposium*, Chicago (2012). "Effects of milk thistle and calcium in Aβ (22-35) folding" Wenk, R. and Chimon Peszek, S.
48. *Chicago Area Undergraduate Research Symposium*, Chicago (2012). "Th effects of melatonin and vitamin D with calcium as a possible preventative for various amyloid diseases" Uluocha, R. and Chimon Peszek, S.
49. *Chicago Area Undergraduate Research Symposium*, Chicago (2012). "Is milk thistle able to prevent the formation of amyloid fibrils?" Polaskey, B. and Chimon Peszek, S.
50. *Chicago Area Undergraduate Research Symposium*, Chicago (2012). "The effects of Silymarin on fibril formation in Alzheimer's" Mockaitis, L. and Chimon Peszek, S.
51. *Chicago Area Undergraduate Research Symposium*, Chicago (2012). "Saving your memories with Amygdalin" Perez, V. and Chimon Peszek, S.
52. *Chicago Area Undergraduate Research Symposium*, Chicago (2012). "Structural studies of the Alzheimer's disease Dutch mutant peptide via attenuated total reflection infrared & ultraviolet visible spectroscopy" Kravetz, R and Chimon Peszek, S.
53. *Chicago Area Undergraduate Research Symposium*, Chicago (2012). Melatonin and Alzheimer's disease: the prevention of structural misfolding in the wild type peptide (Aβ 22-35) Isaacs, J. and Chimon Peszek, S.
54. *56th Annual Meeting: Biophysical Conference,* San Diego, California (2012). "Beta sheets, mutations, and Orthomolecular inhibitors, OH MY: a comparison of beta-sheet production across mutants and the effects of B17 on inhibition of fibril formation?**"** Reinsalu, S. and Peszek, S.
55. *56th Annual Meeting: Biophysical Conference,* San Diego, California (2012). "Understanding Alzheimer's: Applying bioanalytical techniques for the time-dependent structural and kinetic studies of the Italian (E22K) familial mutation in Aβ(22-35) peptide" Zawadski, S., and Chimon-Peszek, S.
56. *56th Annual Meeting: Biophysical Conference,* San Diego, California (2012). "Is the prevention for Alzheimer's already in your medicine cabinet?**"** Sepe, J., and Peszek, S.

57. *56th Annual Meeting: Biophysical Conference,* San Diego, California (2012). "Alzheimer's disease at 30? Is that possible?" Omar, N. and Peszek, S.
58. *The Twelfth Annual Neuroscience Day, Brain Research Foundation,* Chicago (2012). "Effects of Milk thistle (silymarin) on fibril formation in Alzheimer's disease", Mockaitis, L. and Chimon Peszek, S.
59. *The Ninth Annual DePaul University, Natural Science, Mathematics and Technology Showcase,* Chicago (2011). "Single point mutants result in WHAT with respect to Alzheimer's disease?", Kaur, L. and Chimon Peszek, S.
60. *The Ninth Annual DePaul University, Natural Science, Mathematics and Technology Showcase,* Chicago (2011). "Structural Studies of the Alzheimer's Peptide, Dutch Mutant, E22Q Point Mutation, and Intermediate Species via Attenuated Total Reflection Infrared Spectroscopy?", Kravetz, R. and Chimon Peszek, S.
61. *The Ninth Annual DePaul University, Natural Science, Mathematics and Technology Showcase,* Chicago (2011). "Alzheimer's disease at 30? Is this possible?", Omar, N. and Chimon Peszek, S.
62. *The Ninth Annual DePaul University, Natural Science, Mathematics and Technology Showcase,* Chicago (2011). "Exotic alternatives as preventatives for Alzheimer's disease", Minor, I. and Chimon Peszek, S.
63. *The Ninth Annual DePaul University, Natural Science, Mathematics and Technology Showcase,* Chicago (2011). "The Inhibition Potential of Melatonin and Curcumin on the Aggregation of the Italian", Isaacs, J. and Chimon Peszek, S.
64. *The Ninth Annual DePaul University, Natural Science, Mathematics and Technology Showcase,* Chicago (2011). "New techniques, old problems: Using innovative bioanalytical techniques to compare to wild type amyloid beta peptide of the Alzheimer's disease peptide to that of a single point mutation, the Italian mutation", Zawadski, S. and Chimon Peszek, S.
65. *The Ninth Annual DePaul University, Natural Science, Mathematics and Technology Showcase,* Chicago (2011). "Can Amygdalin "Save your memories"?", Perez, V. and Chimon Peszek, S.
66. *The Ninth Annual DePaul University, Natural Science, Mathematics and Technology Showcase,* Chicago (2011). "Is the prevention for Alzheimer's disease already in your medicine cabinet?", Sepe, J. and Chimon Peszek, S.
67. *The Ninth Annual DePaul University, Natural Science, Mathematics and Technology Showcase,* Chicago (2011). "Beta-Sheets, Mutations, and Orthomolecular Inhibitors OH MY: a comparison of beta-sheet production across mutants and the effects of B17 on inhibition of fibril formation", Reinsalu, S. and Chimon Peszek, S.
68. *The Ninth Annual DePaul University, Natural Science, Mathematics and Technology Showcase,* Chicago (2011). "Alzheimer's disease, characteristics of the Arctic mutant", Kyoseva, T. and Chimon Peszek, S.
69. *The Ninth Annual DePaul University, Natural Science, Mathematics and Technology Showcase,* Chicago (2011). "Single-point mutation of the Alzheimer's Beta-Amyloid peptide--Arctic", Mendez, A. and Chimon Peszek, S.
70. *The Ninth Annual DePaul University, Natural Science, Mathematics and Technology Showcase,* Chicago (2011). "Is milk thistle able to prevent the formation of amyloid fibrils?", Polaskey, B. and Chimon Peszek, S.
71. *The Ninth Annual DePaul University, Natural Science, Mathematics and Technology Showcase,* Chicago (2011). "Effects of Milk thistle (silymarin) on fibril formation in Alzheimer's disease", Mockaitis, L. and Chimon Peszek, S.
72. *The Ninth Annual DePaul University, Natural Science, Mathematics and Technology Showcase,* Chicago (2011). "Will the mutation of a peptide impact fibril formation?", Oleynichenko, A. and Chimon Peszek, S.

73. *The Ninth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2011). "Testing New Grounds: Making Mutated Peptides Glow and Testing for an Amygdaline", Pena, S. and Chimon Peszek, S.
74. *The Ninth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2011). "Miracle Berry- A possible preventative for Alzheimer's disease? Type II diabetes?", Sweis, R. and Chimon Peszek, S.
75. *The Ninth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2011). "Eating and sleeping, is this a cure for Alzheimer's disease?", Liszewski, S. and Chimon Peszek, S.
76. *The Ninth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2011). "Milk and milk thistle may have more in common than a just a name", Wenk, R. and Chimon Peszek, S.
77. *The Ninth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2011). "Amygdalin and its Potential Effects on the Progression of Alzheimer's Disease", Litt, B. and Chimon Peszek, S.
78. *The Ninth Annual DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2011). "The effects of melatonin and vitamin D with calcium as a possible preventative for various amyloid diseases", Uluocha, R. and Chimon Peszek, S.
79. *Alzheimer's Association International Conference on Alzheimer's Disease*, Paris, France (2011). "Spectral Analysis of the single point mutation, Dutch (E22Q) Beta Amyloid Fragment Associated with Alzheimer's Disease", Hynes, F., O'Byrne, N., Kravetz, R., Gomez, L., Minor, I., and Chimon Peszek, S.
80. *Alzheimer's Association International Conference on Alzheimer's Disease*, Paris, France (2011). "Attenuated Total Reflectance – Infrared Examination of the Conformational Rate and Speciation of the Alzheimer's Disease Dutch Mutant Amyloid Beta 22-35 Region", Kravetz, R. and Chimon Peszek, S.
81. *Alzheimer's Association International Conference on Alzheimer's Disease*, Paris, France (2011). "Secondary Structure and Fibrillization of the Iowa Mutant of Alzheimer's Beta-amyloid 22-35", Udad, X., Reinsalu, S., Zawadski, S., Perez, V., and Chimon Peszek, S.
82. *Alzheimer's Association International Conference on Alzheimer's Disease*, Paris, France (2011). "Mechanical and Analyitcal Techniques to Analyze Beta Sheet Formation in the E22G Arctic Mutant of the Alzheimer's Disease", Omar, N., and Chimon Peszek, S.
83. *Alzheimer's Association International Conference on Alzheimer's Disease*, Paris, France (2011). "Attenuated Total Reflectance - Infrared Spectroscopic Analysis of the Alzheimer's Peptide, Dutch Mutant with E22Q Point Mutation", Kravetz, R., and Chimon Peszek, S.
84. *Chicago Area Undergraduate Research Symposium*, Chicago (2011). "Spectral Analysis of the Single Point Mutation, Dutch (E22Q) Beta Amyloid Fragment Associated with Alzheimer's Disease", Hynes, F., O'Byrne, N., Kravetz, R., Gomez, L., Minor, I., and Chimon Peszek, S.
85. *Chicago Area Undergraduate Research Symposium*, Chicago (2011). "Mechanical and Analytical Techniques Used to Analyze Beta Sheet Formation of a Single Point Mutation for Alzheimer's Beta Amyloid Peptide", Omar, N., Zawadski, S., Abuaf, A., Kaur, L., Sepe, J., and Chimon Peszek, S.
86. *Chicago Area Undergraduate Research Symposium*, Chicago (2011). "Plasma Membrane Receptor Proteins Response to Calcium and Vitamin D on Diabetic Cells", Minor, I. and Chimon Peszek, S.
87. *Chicago Area Undergraduate Research Symposium*, Chicago (2011). "Conformational Studies and Bioanalytical Techniques to Analyze a Single Point Italian Mutation of Alzheimer's Disease", Kaur, L., Abuaf, A., Miller, A.J., Zawadski, S., Omar, N., and Chimon Peszek, S.
88. *Chicago Area Undergraduate Research Symposium*, Chicago (2011). "Analysis of the Beta-Sheet Aggregation Rates and Mechanics of the Italian Mutant (E22K) Using Attenuated Total

Reflectance Infrared Spectroscopy and Ultraviolet Visible Spectroscopy Instrumentation", Zawadski, S., Abuaf, A., Kaur, L., Omar, N., Sepe, J., and Chimon Peszek, S.

89. *Chicago Area Undergraduate Research Symposium*, Chicago (2011). "Morphological and Kinetic Studies of the Alzheimer's Beta Amyloid, Residues 22-35, Uncovered the Secondary Structural Transformation of Soluble Beta-Sheet Intermediate Species", Reinsalu, S, Rohn, L., Miller, A., Abuaf, A., Udad, X., and Chimon Peszek, S.
90. *Chicago Area Undergraduate Research Symposium*, Chicago (2011). "Amygdalin as an Alternative Treatment and Preventative for Behavioral and Cognitive Symptoms of Alzheimer's Disease and Various Neurodegenerative Diseases", Perez, V, and Chimon Peszek, S.
91. *Chicago Area Undergraduate Research Symposium*, Chicago (2011). "Milk Thistle, Can it be a Preventative for Alzheimer's Disease?", Sepe, J, and Chimon Peszek, S.
92. *Chicago Area Undergraduate Research Symposium*, Chicago (2011). "Conformational Analysis of the Amyloid Beta Dutch Mutant with UV-Vis Spectroscopy", O'Byrne, N., Hynes, F., Kravetz, R., and Chimon Peszek, S.
93. *Chicago Area Undergraduate Research Symposium*, Chicago (2011). "Examination of the Conformational Rate and Speciation of the Alzheimer's Disease Dutch Mutant Amyloid Beta 22-35 Region via Attenuated Total Reflectance – Infrared Spectroscopy", Kravetz, R., Hynes, F., Abuaf, A., O'Byrne, N., Minor, I., Isaacs, J., Kaur, L., and Chimon Peszek, S.
94. *Chicago Area Undergraduate Research Symposium*, Chicago (2011). "Measurement of the Inhibition Potential of Melatonin of Beta-Amyloid Peptide Aggregation and its Mutation Using Congo Red", Isaacs, J., and Chimon Peszek, S.
95. *9th Annual Meeting: Chicago Chapter of the Society for Neuroscience*, Chicago (2011). "Secondary Structure and Fibrillization of the Iowa Mutant of Alzheimer's Beta Amyloid 22-35", Udad, X., Zawadski, S., Reinsalu, S., Perez, V., and Chimon Peszek, S.
96. *9th Annual Meeting: Chicago Chapter of the Society for Neuroscience*, Chicago (2011). "Mechanical and Analytical Techniques Used to Analyze Beta Sheet Formation of a Single Point Mutation for Alzheimer's Beta Amyloid Peptide", Omar, N., Zawadski, S., Abuaf, A., Kaur, L., Sepe, J., and Chimon Peszek, S.
97. *9th Annual Meeting: Chicago Chapter of the Society for Neuroscience*, Chicago (2011). "Conformational Studies and Bioanalytical Techniques to Analyze a Single Point Italian Mutation of Alzheimer's Disease", Kaur, L., Abuaf, A., Miller, A.J., Zawadski, S., Omar, N., and Chimon Peszek, S.
98. *9th Annual Meeting: Chicago Chapter of the Society for Neuroscience*, Chicago (2011). "Analysis of the Beta-Sheet Aggregation Rates and Mechanics of the Italian Mutant (E22K) Using Attenuated Total Reflectance Infrared Spectroscopy and Ultraviolet Visible Spectroscopy Instrumentation", Zawadski, S., Abuaf, A., Kaur, L., Omar, N., Sepe, J., and Chimon Peszek, S.
99. *Annual Meeting: Chicago Chapter of the Society for Neuroscience*, Chicago (2011). "Morphological and Kinetic Studies of the Alzheimer's Beta Amyloid, Residues 22-35, Uncovered the Secondary Structural Transformation of Soluble Beta-Sheet Intermediate Species", Reinsalu, S, Rohn, L., Miller, A., Abuaf, A., Udad, X., and Chimon Peszek, S.
100. *9th Annual Meeting: Chicago Chapter of the Society for Neuroscience*, Chicago (2011). "Amygdalin as an Alternative Treatment and Preventative for Behavioral and Cognitive Symptoms of Alzheimer's Disease and Various Neurodegenerative Diseases", Perez, V, and Chimon Peszek, S.
101. *9th Annual Meeting: Chicago Chapter of the Society for Neuroscience*, Chicago (2011). "Milk Thistle, Can it be a Preventative for Alzheimer's Disease?", Sepe, J, and Chimon Peszek, S.
102. *9th Annual Meeting: Chicago Chapter of the Society for Neuroscience*, Chicago (2011). "Examination of the Conformational Rate and Speciation of the Alzheimer's Disease Dutch Mutant Amyloid Beta 22-35 Region via Attenuated Total Reflectance – Infrared Spectroscopy",

Kravetz, R., Hynes, F., Abuaf, A., O'Byrne, N., Minor, I., Isaacs, J., Kaur, L., and Chimon Peszek, S.

103. *9th Annual Meeting: Chicago Chapter of the Society for Neuroscience,* Chicago (2011). "Measurement of the Inhibition Potential of Melatonin of Beta-Amyloid Peptide Aggregation and its Mutation Using Congo Red", Isaacs, J., and Chimon Peszek, S.
104. *DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2010). "Bioanalytical Techniques to analyze a single point mutation of the Alzheimer's Disease peptide - Dutch", Hynes, F., and Chimon Peszek, S.
105. *DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2010). "Bioanalytical Techniques to analyze a single point mutation of the Alzheimer's Disease peptide – Wild Type", O'Byrne, N., and Chimon Peszek, S.
106. *DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2010). "Bioanalytical Techniques to analyze a single point mutation of the Alzheimer's Disease peptide - Italian", Miller, A. J., and Chimon Peszek, S
107. *DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2010). "Bioanalytical Techniques to analyze a single point mutation of the Alzheimer's Disease peptide - Iowa", Udad, X., and Chimon Peszek, S
108. *DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2010). "Structural studies of the Alzheimer's disease peptide single point mutation – Dutch", Minor, I. and Chimon Peszek, S.
109. *DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2010). "Structural studies of the Alzheimer's disease peptide single point mutation", Kravetz, R and Chimon Peszek, S.
110. *DePaul University, Natural Science, Mathematics and Technology Showcase,* Chicago (2010). "Structural studies of the Alzheimer's disease peptide single point mutation - Italian", Abuaf, A. and Chimon Peszek, S.
111. *DePaul University, Natural Science, Mathematics and Technology Showcase,* Chicago (2010). "Structural studies of the Alzheimer's disease peptide single point mutation - Iowa", Kaur, L. and Chimon Peszek, S.
112. *DePaul University, Natural Science, Mathematics and Technology Showcase,* Chicago (2010). "Structural studies of the Alzheimer's disease peptide single point mutation", Isaacs, J. and Chimon Peszek, S.
113. *DePaul University, Natural Science, Mathematics and Technology Showcase*, Chicago (2010). "Analytical studies of various point mutations of the Alzheimer's disease", Gomez, L. and Chimon Peszek, S.
114. *Chicago Area Undergraduate Research Symposium,* Chicago (2010). "Beta Sheet Structural Determination of Alzheimer's Disease β-Amyloid Peptide via Fluorescence Studies", Abuaf, A., Miller, A., Hynes, F., Rohn, E., Udad, X., and Chimon Peszek, S.
115. *Chicago Area Undergraduate Research Symposium*, Chicago (2010). "Structural Studies of a Soluble Oligomer of the Amyloid Beta Peptide Fragment (22-35)", Miller, A., Abuaf, A., Hynes, F., Rohn, E., Udad, X., and Chimon Peszek, S.
116. *Chicago Area Undergraduate Research Symposium*, Chicago (2010). "Structural Studies of a Soluble Oligomer of the Iowa Mutation of the Amyloid β Peptide Fragment (22-35)", Hynes, F., Abuaf, A., Miller, A., Rohn, E., Udad, X., and Chimon Peszek, S.
117. *8th Annual Meeting: Chicago Chapter of the Society for Neuroscience,* Chicago (2010). "Structural Studies and Future Neurotoxic Studies of a Soluble Oligomer of the Amyloid Beta Peptide Fragment (22-35)", Rohn, E., Abuaf, A., Miller, A., Hynes, F., Udad, X., and Chimon Peszek, S.

118. *8th Annual Meeting: Chicago Chapter of the Society for Neuroscience,* Chicago (2010). "Studies and Neurotoxic Effects of a Soluble Oligomer of the Iowa Mutation of the Amyloid β Peptide Fragment (22-35)", Udad, X., Hynes, F., Rohn, E., and Chimon Peszek, S.
119. *8th Annual Meeting: Chicago Chapter of the Society for Neuroscience,* Chicago (2010). "Beta Sheet Structural Determination of the Alzheimer's Disease β-Amyloid Peptide via Fluorescence Studies", Miller, A., Abuaf, A., Hynes, F., Rohn, E., Udad, X., and Chimon Peszek, S.
120. *DePaul University, Natural Science, Mathematics and Technology Showcase,* Chicago (2009). "Structural Studies and Neurotoxic Effects of a Soluble Oligomer of the Amyloid Beta Peptide Fragment (22-35)", Rohn, E., Udad, X., and Chimon Peszek, S.

Students Mentored:

Research Assistant	Degree Sought	University/College	Years Mentored	Where are they now?
Jessica Rozemberg	BS	DePaul University	2012-Present	
Ramina Abassi	BS	DePaul University	2012-Present	
Allison Voce	BS	DePaul University	2012-Present	
Katherine Clausen	Post-back	DePaul University	2012-Present	
Lianna DiMaso	BS	DePaul University/CIRRUS	Summer 2012	
Kaila Parker	BS	DePaul University	2012-Present	
Kahla Bermudez	BS	Truman/CIRRUS	Summer 2012	
Belinda Dagaas	BS	Truman/CIRRUS	2012-Present	
Shannon Naughton	BS	DePaul University	2012-Present	
JuliaJustusson	BS	DePaul University/CIRRUS	Summer 2012	
Devyn Kahl	BS	DePaul University	2012-Present	
Alvin Kang	BS	DePaul University	2011-2012	Started own business
Bethany Litt	BS	DePaul University	2011 – 2012	Applied to medical schools
Sasha Oleynichenko	BS	DePaul University	2011 - Present	
Raymond Wenk	BS/MS	DePaul University	2011 - Present	
Stephen Pena	BS	DePaul University	2011 – 2012	Student
Brandon Polaskey	BS	DePaul University	2011 – Present	
Rosemary Uluocha	BS	DePaul University	2011 – 2012	Volunteering with various programs in preparation for medical school
Luke Mockaitis	BS	DePaul University	2011 – Present	
Shawna Liszewski	BS	DePaul University	2011 – 2012	Student
Anjeanette Mendez	BS	DePaul University	2011 – 2012	Student
Tsvetozara Kyoseva	BS	DePaul University	2011 – 2012	Student
Rana Sweis	BS	DePaul University	2011 – Present	Accepted to various dental schools
Veronica Perez	BS	DePaul University	2010 – 2012	Applying to graduate schools
Jeni Sepe	BS	DePaul University	2010 - 2012	
Rebekah Wolinetz	BS	DePaul University	2010 – 2010	PT School - Midwestern
Nadrine Omar	BS	DePaul University	2010 – 2012	Chiropractic School – National, Downers Grove
Sean Reinsalu	BS	DePaul University	2010 - Present	
Sarah Zawadski	BS/MS	DePaul University	2010 - Present	
Jared Isaacs	BS	DePaul University	2010 – 2012	Applied to graduate school
Luvleen Kaur	BS/MS	DePaul University	2010 – 2012	Student
Nora O'Byrne	BS	DePaul University	2010 – 2011	Medical School - Loyola
Ilysha Minor	BS	DePaul University	2010 – 2012	Applying to medical school
Ryan Kravetz	BS	DePaul University	2010 – 2012	PA School – University of Detroit
Lorena Gomez	BS	DePaul University	2009 – 2011	Student
Andrew J. Miller	BS	DePaul University	2009 – 2011	Research Abroad
Amanda Abuaf	Post-Back	DePaul University	2009 – 2011	Medical School – Rosalind Franklin
Forest Hynes	BS	DePaul University	2009 – 2011	Neuroscience Program – Northwestern University
Xavier Udad	MS	DePaul University	2009 – 2011	PhD Program Chemistry – Uni. of Wisconsin
Elizabeth Rohn	Post-Back	DePaul University	2009 – 2011	Lab Director – Eli Lilly
Nancy Rios**	BS	University of Illinois	2005 – 2007	Medical School – University of Illinois, Chicago
Rippon Christy**	BS	University of Illinois	2005 – 2007	Pharmacy School – University of Illinois, Chicago
Diana Calero**	BS	University of Illinois	2004 – 2006	Medical School – University of Illinois, Chicago Now resident at St. Joseph's hospital

* *Undergraduate research assistants while I was a graduate/postdoc at the University of Illinois at Chicago

Teaching Experience:

De Paul University:

CHE397	Advanced Laboratory Project
CHE378	Spectral Interpretation
CHE343	Biochemistry III
CHE261	Instrumental Analysis
CHE261L	Instrumental Analysis Lab
CHE128	Basic Chemical Concepts
CHE129	Basic Chemical Concepts Lab
CHE133	General Chemistry II
CHE134	General and Analytical Chemistry III
CHE135	General and Analytical Chemistry III Lab
CHE132	General and Analytical Chemistry II
CHE133	General and Analytical Chemistry II Lab
CHE130	General and Analytical Chemistry I
CHE131	General and Analytical Chemistry I Lab
CHE115	General and Analytical Chemistry III
CHE115L	General and Analytical Chemistry III Lab
CHE113	General and Analytical Chemistry II
CHE113L	General and Analytical Chemistry II Lab
CHE111	General and Analytical Chemistry I
CHE111L	General and Analytical Chemistry I Lab
CHE105	Exploring Nutrients: Science of Nutrition
CHE101G	General Chemistry Techniques
CHE101GL	General Chemistry Techniques Lab
LSP 120	Mathematical and Technology Literacy I

Elmhurst College:

CHM211	Chemical Principles I and Lab
CHM103	Elementary Organic and Biochemistry and Lab
CHM101	General Chemistry and Lab
CHM100	Chemistry in the Natural World and Lab

Prairie State College:

Chem130	General Chemistry II and Lab
Chem110	General Chemistry I and Lab
Chem105	Survey of General Chemistry and Lab

National Louis University:

LAN150	Survey of Physical Sciences

University of Illinois at Chicago (as a teaching assistant/discussion leader)

Chem421	Instrumental Analysis Lab
Chem415	Inorganic Chemistry Lab
Chem343	Physical Chemistry Lab
Chem233	Organic Chem Lab I
Chem222	Analytical Chem Lab/Disc
Chem114	General College Chemistry Lab/Disc
Chem112	General College Chemistry Lab/Disc

Technical Skills:

Scientific Skills: NMR (solution and solid states), CD, FTIR, ATR-IR, UV/Vis, EM, Fluorescence, HPLC, GC, MS, GC-MS, peptide synthesis and purification, wet chemistry, bench chemistry, gel electrophoresis, cell and tissue cultures, inoculations, quality control/assurance, titrations, enzyme kinetics and TLC.

Computer Skills: Dreamweaver, Desire 2 Learn, Blackboard Basic, Blackboard WebCT, Blackboard CE6, Knowledge of FORTRAN and UNIX, Microsoft Work, Microsoft Works, Microsoft Office, Blackboard, Blackboard Basic, Windows 95/97/98/2000/Me/XP, Netscape, Internet Explorer, nmrPipe, Word Perfect, Minitab, Excel, Access, Microsoft Binder, PowerPoint, Open Office, Quicken, Lease Manager, Quot-r, Lease Plus and Lotus.