

Highlights of Undergraduate achievement in the Doyle group  
(All students worked a minimum of 24 months in the group- with most working at least 30 months)

**Ami Patel 08**

Now a PhD student in neurobiology at Johns Hopkins

**Joseph Sirianni 09**

PhD student in chemistry at UC, SB  
Ornstein scholar

**Elizabeth Higbee 09**

PhD student in biology at UPenn

**Suzanne Vroman 10**

PhD Student in infectious disease at Northwestern

**Hester Dang 10**

PhD student in chemistry at University of Washington, Seattle

**Amy Rabideau 10**

PhD student in chemistry at MIT  
NSF Pre-doctoral Award  
SU Scholar  
Remembrance Scholar  
Amgen Scholar

**Teresa Soldner 10**

MD student at Michigan State  
Remembrance Scholar  
Su Scholar

**Qi Wen Li 11**

PhD student in chemical biology at CalTech  
NSF Pre-doctoral Scholar  
SU Scholar  
Remembrance Scholar  
Mark and Pearle Clemens Award

**Vivian Yaci Yu 12**

PhD student in biochemistry at UC, Berkeley  
Arnold and Mabel Beckman Scholar.  
SU Scholar  
Remembrance Scholar  
McNair Scholar

**Anna Kahkoska 13**

Remembrance Scholar  
Internship award, Fred Hutchinson Cancer Research Center  
SU Scholar  
MD/PhD Program UNC-Chapel Hill

**Jaime Bernstein 13**

Remembrance Scholar  
Ornstein Scholar  
SU Scholar  
MD program Weill-Cornell Medical School

**Allison Roberts 14**

Mark and Pearle Clemens Award  
Chancellors Scholarship In Action award  
Remembrance Scholar  
Judith Seinfeld Award  
NIH SIP Fellow  
Joined lab of Prof. Ralph Weisleder, Harvard Medical School/MGH

**Leann Miles 14**

Remembrance Scholar  
Fulbright Awardee (Vietnam)  
Will attend UPenn (Biomedical PhD) 2015

**Rachael Burke 15**

Remembrance Scholar  
Arnold and Mabel Beckman Scholar.

**Since 2008:** The students have won:

3 x NSF predoctoral scholarships (Amy, Yaci and Li)  
9 x Remembrance scholarships (Amy, Li, Teresa, Yaci, Anna, Jaime, Allison, Leann, Rachael)  
6 x SU Scholarships (Amy, Li, Teresa, Yaci, Anna, Jaime)  
3 x Ornstein scholarships (Joe and Jamie(twice))  
2 x Beckman Scholarships (Yaci; Rachael)  
1 x Amgen scholarship (Amy)  
Multiple NSF REU summer program positions, multiple departmental awards including best undergraduate research in both the chemistry or biology departments the last three years.

In addition, they have contributed Fifteen (15) peer-reviewed papers since 2008. (UG's underlined) with two more submitted

15. Doyle, R.P., Amanda E. Hoffman, Leann H. Miles, Carolyn Shoen, Michelle DeStefano and Michael Cynamon Clinical isolates of *Candida albicans*, *Candida tropicalis*, and *Candida krusei* have different susceptibilities to Co(II) and Cu(II) complexes, submitted *Biometals* **2014**
14. Doyle, R. P., Brian P. Huta, Allison M. Roberts, Elizabeth S. Waters, Vivian Y. Yu, Mark R. Mehlenbacher and Fadi Bou-Abdallah The Antimalarial Drug Atovaquone Binds to Saposin B with Comparable Affinity to Coenzyme Q10 *Med. Chem. Commun.*, **5**, 787-791, **2014**
13. Doyle, R. P., Oluwatayo F. Ikotun, Bernadette V. Marquez, Christopher H. Fazen, Anna R. Kahkoska, Suzanne E. Lapi Investigating a vitamin B<sub>12</sub> conjugate as a PET imaging probe *ChemMedChem* **9**, 1244-1251, **2014**
12. Doyle, R. P., Susan Clardy-James, Jamie L. Bernstein Site selective oxidation of vitamin B<sub>12</sub> using iodoxybenzoic acid *Synlett* **23**, 2363-2366, **2012**
11. Doyle, R. P., Christopher H. Fazen, Anna Kahkoska, Expression and purification of human PYY(3–36) in *Escherichia coli* using a HIS-tagged small ubiquitin-like modifier fusion **85**, 51-59, **2012**
10. Doyle, R. P., Anthony R. Vortherms, Anna Kahkoska, Amy E. Rabideau, Jon Zubieta, Louise Lund Andersen, Mette Madsen A water soluble vitamin B<sub>12</sub>-Re(I) fluorescent conjugate for cell uptake screens: Use in the detection of cubilin in the lung cancer line A549. *Chem. Commun.*, **47**(35), 9792-9794, **2011**
9. Doyle, R. P., David D. Dixon, Vivian Yaci Yu, Recombinant expression of his-tagged Saposin B for affinity purification of Coenzyme Q10, *Analytical Biochemistry* **419**, 145-152, **2011**
8. Doyle, R. P.; Marino, N.; Rabideau, A. E. TFA-assisted crystallization of vitamin B<sub>12</sub> results in protonation of the phosphate group of the nucleotide loop: insight into the influence of crystal packing forces on vitamin B<sub>12</sub> structures *Inorg. Chem.* **2011**, **50**, 220-230
7. Doyle, R. P.; Lensbouer, J. J.; Li, Q. W.; Estlinbaum, M. R161, K452 and R460 residues are vital for metal-citrate complex transport in the CitMHS secondary transport protein CitSc from *Streptomyces coelicolor* *Metallomics* **2010**, **2**, 342-347
6. Doyle, R. P.; Higbee, E. M.; Ouellette, W.; Ikotun, O. F. Pyrophosphate bridged complexes with picomolar cytotoxicity. *J. Inorg. Biochem.* **2009**, **103**, 1254-1264
5. Viola-Villegas, N.; Rabideau, A. E.; Bartholomä, M.; Zubieta, J.; Doyle, R. P. Targeting the Cubilin Receptor through the Vitamin B<sub>12</sub> Uptake Pathway; Cytotoxicity and Mechanistic Insight through Fluorescent Re(I) Delivery. *J. Med. Chem.* **2009**, **52**, 5253-5261

4. Doyle, R. P.; Vortherms, A. R.; Dang, H. N. Anticancer Conjugates and Cocktails based on Methotrexate and Nucleoside Synergism. *Clinical Medicine: Oncology (invited)* **2009**, *3*, 19-26
3. Doyle, R. P.; Lensbouer, J. J.; Patel, A.; Sirianni, J. P. Functional Characterization and metal ion specificity of the Metal-Citrate complex transporter from *Streptomyces coelicolor* A3(2). *J. Bacteriology* **2008**, *190*, 5616-5623
2. Viola-Villegas, N.; Rabideau, A. E.; Cesnavicius, J.; Zubieta, J.; Doyle, R. P. Synthesis, Characterization, Cytotoxicity and in vitro uptake of a Rhenium (I) bisquin complex targeting the folate receptor. *ChemMedChem* **2008**, *3*, 1387-1394
1. Doyle, R. P.; Levin, B.; Sirianni, J. Isolation of DNA from *Bacillus subtilis* using the Wizard PLUS SV Miniprep DNA purification system. *eNOTES*, July **2007**