

**Student Research Group (SRG) Newsletter**  
**Annual Edition September 2008**

**Your Officers**

- Officers for 2007-2008 were: **Mike McEwan D3** (President), **Lindsey Pingel D2** (Vice President), **David Haderlie D2** (Treasurer), **Will McBride D2** (Secretary), **Matthew Pyfferoen D4** (D4 Representative), **Lindsay Compton D4** (D4 Representative), **Jared Sorensen D3** (D3 Representative), **Aaron Williams D2** (D2 Representative).
- New officers for 2007-2008 are: Lindsey Pingel D3 (President), Will McBride D3 (Vice President), Aaron Williams D3 (Treasurer), Karla Thole D3 (Secretary), Mike McEwan D4 (D4 Representative), Ben Fuller D4 (D4 Representative), Sara Murrell D3 (D3 Representative), Deborah Dietrich D2 (D2 Representative)
- Faculty Advisor, Student Research Group: **Dr. Teresa Marshall**
- Director, Student Research Program: **Dr. John Warren**
- Assistant Director, Student Research Program: **Dr. Teresa Marshall**
- Program Assistant, Student Research Program: **Sara Anstoetter**

**Election of Officers & Mentor Appreciation Luncheon**

The Student Research Group held their annual election of officers at a noon time luncheon meeting on May 22, 2008. The Student Research Group took this opportunity to honor and thank the faculty mentors who have worked so selflessly in the past year. "Mentor of the Year" award was presented to Dr. Jane Chalmers.

**Students on the Go...**

1. **Lindsey Pingel D2 & Patrick Jones D3**, attended the Hinman Student Research Conference November 2-4, 2007 at the University of Tennessee, Memphis, TN. This is a great meeting! One student from each dental school in the country attends with all costs paid by the sponsoring organization. Abstracts for this meeting are due at the end of August. Students and mentors keep this in mind for next year! The selected student to attend the 2008 conference is **Diana Choi D3**.
2. **Will McBride D2**, attended the 44<sup>th</sup> annual American Dental Association Dental Students' Conference on Research held at the National Institute of Dental and Craniofacial Research (NIDCR) and the Paffenbarger Research Center (PRC) March 16-18, 2008. The U of Iowa College of Dentistry sends one student every year to this educational meeting. The goal of this conference is to introduce outstanding dental students to scientists from the ADA, industry, NIDCR, and the ADAF Paffenbarger Research Center to raise their awareness of the wide-ranging careers available in oral health research. Information is sent to all student researchers announcing the opportunity in January of each year. Take advantage of your opportunities.
3. The **55<sup>th</sup> Annual Meeting of the Iowa Section of the American Association of Dental Research** was held March 11, 2008 with 35 predoctoral student research presentations. Thank you for your participation. All students be prepared to submit an abstract February 3, 2009 for presentation next year. Meeting date will be March 11, 2008. Excellent experience for the national meeting!!!
4. Congratulations to our Dental Student Research Group for being awarded a Certificate of Recognition by the AADR National Student Research Group for submitting the winning slogan for the 1<sup>st</sup> Annual NSRG Button contest. "On the Cusp of Dental Research."
5. 35 Pre-Doctoral students presented papers at the IADR/AADR meeting in Dallas, Texas, April 2-5, 2008. Congrats to **PD: Matt Drescher D1: D. Dietrich; D2: D. Choi, A. Domeyer, L. Greenwald, M. Johnson, W. McBride, S. Murrell, L. Pingel, N. Smith, M. Sorensen, K. Swenson, D. Thuet, K. Thole, A. Williams; D3: C. Alley, S. Allen, J. Boehrs, B. Fuller, S. Gelfond, M. Gervich, D. Haderlie, T. Harbaugh, H. Hochstrasser, R. Lee, M. McEwan, B. Schow, D. Smolenski, J. Sorensen, K. Stein, J. Tesene, S. Wagoner; D4: L. Compton, T. Rudd, A. Shannon**.
6. The University of Minnesota School of Dentistry hosted the 2008 Midwest Regional Student Research Conference, April 19, 2008. The 7 Iowa Student attendees included: **PD: M. Drescher; D2: W. McBride, L. Pingel; D3: J. Sorensen, J. Tesene, M. McEwan, D. Haderlie**.
7. The **2009 Midwest Regional Dental Student Research Conference** will be hosted by the University of Illinois-Chicago. Usual activities at the Midwest Regional include a banquet, poster presentations, oral presentations by students, luncheon and short business meeting, and a tour of the host dental school. The Conference is generally held in March or April of each year. More information about abstract submission and specific dates will be relayed as soon as it becomes available.
8. **Matthew Drescher PD, Sarah Murrell D2, Meagan Johnson D2, and Lindsay Compton D4**, presented at the 9<sup>th</sup> Annual UI Student Interdisciplinary Health Research Poster Session, held April 15, 2008, in the EMRB Atrium, University of Iowa.
9. **Jessica Boehrs D3 and Whitney Dunn D2**, presented at the 87<sup>th</sup> General Session & Exhibition of the IADR, held July 2-5, 2008, Toronto, Canada.
10. **Aaron Williams D2**, presented at the 47<sup>th</sup> Annual Midwest Regional Developmental Biology Meeting, held June 7, 2008, Iowa City, IA.

**Individual Accomplishments**

1. **D4's, Lindsay Compton, Chris Hansen, Kimberly Morio, Adam Ostby, Travis Rudd, Abby Shannon, Daniel Whitney**, recipients of the 2008 Senior Research Achievement Award.
2. **Jessica Boehrs D3**, won the predoctoral Max L. Smith Award this year at the March 2008 Iowa Section for the AADR meeting.
3. **Hyrum Cannon D3**, received AADR Student Research Fellowship awarded at the April 2008 AADR Meeting in Dallas. The award includes a stipend for the student plus travel and supply funds.
4. **Rachael Revell D3**, selected for the ADCFP (Academic Dental Career Fellowship Program) 2008-2009

5. **Rachael Revell D3**, received the ADEA.Johnson & Johnson Helathcare Products Preventive Dentistry Scholarship at the ADEA meeting in Dallas 2008.
6. **Lindsey Pingel D2**, 1<sup>st</sup> place award, Dentsply Table Clinic Competition, predoctoral division , AADR Iowa Section 2008 and will be presenting at the ADA national meeting in the fall 2008.
7. **Karl Swenson D2**, 2<sup>nd</sup> place, Dentsply Table Clinic Competition, predoctoral division, AADR Iowa Section 2008.
8. **David Thuet D2**, 3<sup>rd</sup> place, Dentsply Table Clinic Competition, predoctoral division, AADR Iowa Section 2008.
9. **Lindsay Compton D4**, won 1<sup>st</sup> place in the predoctoral division in the Iowa Society of Periodontology Topic Award, AADR Iowa Section 2008.
10. **Karla Thole D2**, won 1<sup>st</sup> place, predoctoral division in the Procter and Gamble Poster Presentation Award at the AADR Iowa Section 2008.
11. **Maegan Johnson D2**, 2<sup>nd</sup> place, predoctoral division in the Procter and Gamble Poster Presentation Award at the AADR Iowa Section 2008.
12. **Scott Bower D2**, 3<sup>rd</sup> place, predoctoral division in the Procter and Gamble Poster Presentation Award at the AADR Iowa Section 2008.
13. **Jessica Boehrs D3**, placed second in the 2008 AADR/Unilever Hatton Awards Competition for Junior Investigators at the AADR meeting in Dallas 2008.
14. **Lindsay Compton D4**, received Provost Award at the 9<sup>th</sup> Annual UI Student Interdisciplinary Health Research Poster Session, April 2008.
15. **Matt Drescher PD**, received the Liberal Arts & Sciences Dewey Stuit Fund for Undergraduate Research Award at the 9<sup>th</sup> Annual Student Interdisciplinary Health Research Poster Session, University of Iowa.
16. **The following Publications:**

#### Published Articles:

- Bishara SE, **Ostby AW**, Laffoon J, Warren JJ. A self-conditioner for resin-modified glass ionomers in bonding orthodontic brackets. *Angle Orthod.* 2007 Jul;77(4):711-5.
- Davis RE**, Marshall TA, Qian F, Warren JJ, Wefel JS. In vitro protection against dental erosion afforded by commercially available, calcium-fortified 100 percent juices. *J Am Dent Assoc.* 2007 Dec;138(12):1593-8; quiz 1615.
- Morio KA**, Marshall TA, Qian F, Morgan TA. Comparing diet, oral hygiene and caries status of adult methamphetamine users and nonusers. A pilot study. *J Am Dent Assoc.* 2008 Feb;139:171-6.
- (Chapter 19) **Pingel LC**, Lu X, Brogden KA. *Antimicrobial peptides as mucosal adjuvants*. In: Brogden, KA et al., editors. *Virulence Mechanisms of Bacterial Pathogens*. 4<sup>th</sup> ed. Washington, D.C.: ASM Press, 2007. p. 281-296.
- Pingel LC**, Kohlgraf KG, Hansen CJ, Eastman CG, Dietrich DE, Burnell KK, Srikantha RN, Xiao X, Bélanger M, Progulske-Fox A, Cavanaugh JE, Guthmiller JM, Johnson GK, Joly S, Kurago ZB, Dawson DV, Brogden KA. Human  $\beta$ -defensin 3 binds to hemagglutinin B (rHagB), a non-fimbrial adhesin from *Porphyromonas gingivalis*, and attenuates a pro-inflammatory cytokine response. *Immunol Cell Biol.* 2008 Aug 19.

#### Thank You

1. Thank you to the administration, especially Dean David Johnsen, Dr. Clark Stanford, Associate Dean for Research, and Dr. Christopher Squier, former Associate Dean for Research for supporting student research at Iowa.
2. Thank you to Dr. John Warren, Director of the Student Research Program and to Dr. Teresa Marshall as Assistant Director of Student Research Program and Student Research Group Faculty Advisor.
3. Thank you to Dr. Jim Wefel, Director of Dows, for his continued support and dedication to student research.
4. Thank you to our mentors for their time, guidance, and patience. Iowa dental student research would not have the success without you.

#### Message from the National Student Research Group:

Please submit your abstract by October 10 and join us at the annual AADR meeting in Miami this April. If you are submitting an abstract you are strongly encouraged to consider submitting your abstract for the predoctoral Hatton & Caulk Dentsply Research Competitions. Participate in national competitions when submitting your electronic abstract; Iowa students frequently win and you have nothing to lose. While in Miami, get involved with the National Student Research Group (NSRG) at their scheduled meetings and many social events. Iowa has a great history of national representation in the NSRG, so ask how you can become an officer.

#### Important Dates:

September 12, 2008	Deadline to submit clean, complete data to the Biostatistics Unit
October 10, 2008	Deadline to submit your AADR abstract electronically
December 19, 2008	AADR Presenter Notifications Emailed
January 14, 2009	Deadline for AADR Fellowship Applications
February 3, 2009	Abstracts due for AADR IA section
March 3, 2009	Iowa Research Day
March 31, 2009	Deadline for Student Research Proposals for the 2009-2010 year
April 1-4, 2009	AADR 86 <sup>th</sup> General Session, Miami