

Student Research Group (SRG) Newsletter
Annual Edition September 2009

Your Officers

- Officers for 2008-2009 were: **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), **Sandra Imoehl D1** (D1 Representative)
- New officers for 2009-2010 are: Deborah Dietrich D3 (President), Jordan Poss D3 (Vice President), Karla Thole D4 (Secretary), Noemi Cruz-Orcutt D3 (Treasurer), Will McBride D4 (D4 Representative), Lindsey Pingel D4 (D4 Representative), Jessica Flanigan D3 (D3 Representative), Karl Kohlgraf D2 (D2 Representative), Sandra Imoehl 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 11, 2009. 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. John Warren and Dr. Karin Weber-Gasparoni.

Students on the Go...

1. **Diana Choi D3**, attended the Hinman Student Research Conference October 31-November 2, 2008 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 in August. Students and mentors keep this in mind for next year! The selected student to attend the 2009 conference is **Matthew Drescher D2**.
2. **Sandra Imoehl D1**, attended the 45th 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) May 3-5, 2009. 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 **56th Annual Meeting of the Iowa Section of the American Association of Dental Research** was held March 3, 2009 with 32 predoctoral student research presentations. Thank you for your participation. All students be prepared to submit an abstract November 18, 2009 for presentation next year. Meeting date will be February 9, 2009. Excellent experience for the national meeting!!!
4. 29 Pre-Doctoral students presented papers at the IADR/AADR meeting in Miami, Florida, April 1-4, 2009. Congrats to: **D1: A. Ackerman, M. Drescher, C. Huber, K. Huston, S. Imoehl; D2: N. Cruz-Orcutt, D. Dietrich, J. Flanigan, M. Gibbs, B. Haddad, J. Lenius, M. Nensel, J. Poss, J. Reynolds; D3: S. Bower, D. Choi, A. Domeyer, W. Dunn, L. Greenwald, M. Johnson, W. McBride, S. Murrell, L. Pingel, M. Schiff, M. Smith, K. Swenson; D4: H. Cannon, H. Hochstrasser, J. Shonka.**
5. The University of Illinois at Chicago College of Dentistry hosted the 2009 Midwest Regional Student Research Conference, April 18, 2009. The 6 Iowa Student attendees included: **D1: M. Drescher, K. Huston; D2: J. Flanigan, J. Reynolds; D3: K. Thole, W. McBride**
6. The **2010 Midwest Regional Dental Student Research Conference** will be hosted by the University of Iowa. 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.

Individual Accomplishments

1. **D4's: Sara Allen, Jessica Boehrs, Benjamin Fuller, Michael McEwan, Rachael Revell, Dustin Smolenski, and Joseph Tesene**, recipients of the 2009 Senior Research Achievement Award.
2. **Matthew Drescher D1**, won 1st place, predoctoral Max Smith Award at the March 2009 Iowa Section for the AADR meeting.
3. **Jaxon Hoopes D3**, 2nd place, Max Smith Oral Presentation Pre-Doctoral Competition, AADR Iowa Section 2009.
4. **Noemi Cruz-Orcutt D3**, 3rd place, Max Smith Oral Presentation Pre-Doctoral Competition, AADR Iowa Section 2009.
5. **Diana Choi D2**, 1st place award, Dentsply Table Clinic Competition, predoctoral division, AADR Iowa Section 2009 and will be presenting at the ADA national meeting in the fall 2009.
6. **Jessica Flanigan D2**, 2nd place, Dentsply Table Clinic Competition, predoctoral division, AADR Iowa Section 2009.
7. **Merideth Smith D3**, 3rd place, Dentsply Table Clinic Competition, predoctoral division, AADR Iowa Section 2009.
8. **Lindsey Pingel D3**, won 1st place in the predoctoral division in the Iowa Society of Periodontology Topic Award, AADR Iowa Section 2009.
9. **Sandra Imoehl D1**, won 1st place, predoctoral division in the Procter and Gamble Poster Presentation Award at the AADR Iowa Section 2009.

10. **Karl Swenson D3**, 2nd place, predoctoral division in the Procter and Gamble Poster Presentation Award at the AADR Iowa Section 2009.
11. **Craig Huber**, 3rd place, predoctoral division in the Procter and Gamble Poster Presentation Award at the AADR Iowa Section 2009.
12. **Scott Bower D3**, 4th place, predoctoral division in the Procter and Gamble Poster Presentation Award at the AADR Iowa Section 2009.
13. **Maegan Johnson D3**, 5th place, predoctoral division in the Procter and Gamble Poster Presentation Award at the AADR Iowa Section 2009.
14. **Karl Kohlgraf D1**, won 4th place award in Oral Presentation during the 40th Annual Midwest Student Biomedical Research Forum held February 27-28 in Omaha, Nebraska co-sponsored by the University of Nebraska Medical Center, Creighton University Medical Center, and the American Medical Association Foundation.
15. **Lindsey Pingel D3**, 3rd place, Biological & Health Sciences division, 11th Annual James F. Jacobsen Conference held March 27-28, 2009, in the Iowa Memorial Union.
16. **Lindsey Pingel D3**, and **Whitney Dunn D3**, received the Colgate Palmolive Research Award, 89th Annual American Association of Women Dentists meeting in Hilton Head, South Carolina.
17. **The following Publications:**

Published Articles:

- Boehrs J**, Zaharias RS, Laffoon J, Ko YJ, Schneider GB. Three-dimensional culture environments enhance osteoblast differentiation. *J Prosthodont*. 2008 Oct;17(7):517-21.
- Wagoner SN**, Marshall TA, Qian F, Wefel JS. In vitro enamel erosion associated with commercially available original-flavor and sour versions of candies. *J Am Dent Assoc*. 2009 Jul;140(7):906-13.
- Dietrich DE**, Xiao X, Dawson DV, Belanger M, XIE H, Progulske-Fox A, Brogden KA. Human alpha- and beta-defensins bind to immobilized adhesins from *Porphyromonas gingivalis*. *Infect Immun*. 2008/ Dec;76(12):5714-20.
- 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 Nov-Dec;86(8):643-9.

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 2 and join us at the annual AADR meeting in Washington D.C. this March. If you are submitting an abstract you are strongly encouraged to consider submitting your abstract for the predoctoral Hatton & Caulk Dentsply Research Competitions.

While in Washington D.C., 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.

The NSRG would like to point out that they now have their very own Facebook group "National Student Research Group".

Important Dates:

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| October 2, 2009 | Deadline to submit your AADR abstract electronically |
| November 18, 2009 | Abstracts due for AADR IA section |
| December 7, 2009 | AADR Presenter Notifications Emailed |
| January 15, 2010 | Deadline for AADR Fellowship Applications |
| February 9, 2010 | Iowa Research Day |
| March 3-6, 2010 | AADR 86 th General Session, Washington D.C. |
| April 1, 2010 | Deadline for Student Research Proposals for the 2010-2011 year |