

## University of Michigan – Anne Ziegler

The University of Michigan School of Dentistry has sponsored an annual Research Day for over 40 years. This year on February 9, 2010, the event showcased 98 poster presentations and 40 exhibitors.

Research projects ranged from fundamental investigations on the role of factors regulating cell and tissue function to clinical and health sciences studies in which basic knowledge is applied to clinical interventions.

Second-year dental student, Anne Ziegler, won the Grand Prize Award at Research Day for her poster titled, “Erythropoietin couples hematopoiesis with bone formation” which demonstrated that erythropoietin (Epo) regulates the formation of bone directly through mesenchymal stem cell intermediaries and indirectly through bone morphogenic proteins produced by hematopoietic stem cells.

This research, which Ziegler conducted with mentor Russell Taichman, demonstrates the exquisite coupling between hematopoiesis and osteopoiesis in the bone marrow. The data suggest that the Epo pathway may serve as a therapeutic modality to treat skeletal or mesenchymal abnormalities in humans.

Ziegler will represent the University of Michigan in the ADA/DENTSPLY Student Clinician Program in Orlando, Florida in October 2010.



Dean Peter Polverini, Anne Ziegler, ADA/DENTSPLY award recipient and Mr. Tyler Castor, Regional Sales Manager, DENTSPLY North America.