



## PRESS RELEASE

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# Ami Radunskaya named 2010 Falconer Lecturer

The Association for Women in Mathematics (AWM) and the Mathematical Association of America (MAA) are pleased to announce that **Ami Radunskaya** will deliver the Falconer Lecture at the MathFest 2010. Radunskaya is a Professor of Mathematics at Pomona College in Claremont, California.

Radunskaya earned her bachelor's degree in mathematics with honors from the University of California at Berkeley, and her doctorate in mathematics at Stanford University under the supervision of Donald Ornstein. She specializes in ergodic theory, dynamical systems, and applications to various "real-world" problems. She is particularly interested in strengthening the ties between mathematicians and researchers in medicine and industry, and has organized several international workshops for that purpose.

Contrary to popular belief, Dr. Radunskaya thinks that anyone can succeed in mathematics, and she has committed herself to increasing the participation of women and underrepresented groups in the mathematical sciences. She has been a faculty member of the Summer Scholar's Program, an outreach program for talented high

school students, and has been a faculty member and local director of the EDGE (Enhancing Diversity in Graduate Education) program for ten years. She is also the local coordinator for the Southern California Mentoring Network, a network of women mathematicians from the undergraduate level up to senior faculty members. Her commitment to diversity and mentoring was

recognized by Pomona College when she was awarded the Irvine Fellowship for Excellence in Faculty Mentoring in 2004.

Radunskaya was recently elected to the Executive Committee of the Association for Women in Mathematics and serves on the AWM Membership Committee.

Radunskaya's lecture at MathFest will be "Mathematical challenges in the treatment of cancer". She will present mathematical models that describe tumor growth in tissue, the immune response, and treatment strategies that optimize

treatment efficacy and minimize negative side effects. The mathematical complexities include modeling behavior over vastly different time scales, incorporating delays into the model, optimization in high-dimensional spaces, and fitting large sets of dependent parameters to data.



*MathFest 2010 will be held August 5-7 in Pittsburgh, PA. The Falconer lectures were established in memory of Etta Z. Falconer (1933–2002). Her many years of service in promoting mathematics at Spelman College and efforts to enhance the movement of minorities and women into scientific careers through many forums in the mathematics and science communities were extraordinary. Falconer lecturers are women who have made distinguished contributions to the mathematical sciences or mathematics education. Recent recipients of this honor include Kate Okikiolu, Rebecca Goldin, Katherine St. John and Trachette Jackson.*