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Department of Biochemistry and Biophysics

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EDUCATION

University of California, Berkeley

Ph.D., Statistics

2003

Dissertation: "Statistical Methods for Discovering Features in Molecular Sequences"
Committee: Peter Bickel (advisor), Terence Speed, Alexander Glazer

University of California, Berkeley

M.A., Statistics

1999

University of California, Los Angeles

B.S., Applied Mathematics

1997

Summa Cum Laude

RESEARCH POSITIONS

Department of Biochemistry and Biophysics

2003-present

University of California, San Francisco

Sloan Foundation/D.O.E. Post-doctoral Fellow

Department of Statistics, University of California, Berkeley

1998-2003

Graduate Student Researcher

Department of Statistics, University of California, Berkeley

2000

Statistical Consultant

Department of Statistics, University of California, Los Angeles

1998

Research Assistant

PUBLICATIONS

A. Klebes, A. Sustar, **K. Kechris**, H. Li, G. Schubiger and T. Kornberg (2005). Regulation of cellular plasticity in *Drosophila* imaginal disc cells by the Polycomb group, trithorax group and *lama* genes. *Development*, 132:3753-3765.

E. van Zwet, **K. Kechris**, P. Bickel and M. Eisen (2005). Estimating motifs under order restrictions. *Statistical Applications in Genetics and Molecular Biology*, Vol. 4: No. 1, Article 1.

K. Kechris, E. van Zwet, P. Bickel and M. Eisen (2004). Detecting DNA regulatory motifs by incorporating positional trends in information content. *Genome Biology*, 5:R50.

P. Bickel, **K. Kechris**, P. Spector, G. Wedemayer and A. Glazer (2002). Finding 'important' sites in proteins. *Proceedings of the National Academy of Sciences, USA*, 99:14764-14771.

TEACHING AND MENTORING EXPERIENCE

- Undergraduate Mentor** 2002-2005
Department of Statistics, University of California, Berkeley
- Teaching Assistant** Spring 1999, Spring 2000, Spring 2001, Spring 2003
Department of Statistics, University of California, Berkeley
- Tutor** 1997
Department of Mathematics, University of California, Los Angeles
- Reader** 1995 -1997
Department of Mathematics, University of California, Los Angeles

AWARDS AND FELLOWSHIPS

- Alfred P. Sloan Foundation/U.S. Department of Energy Post-doctoral Fellowship** in Computational Molecular Biology/Bioinformatics. 2003-present.
- Evelyn Fix Memorial Medal and Citation.** Awarded to the Ph.D. student showing the greatest promise in statistical research, with preference for applications to biology and problems of health. Department of Statistics, University of California, Berkeley. 2003.
- National Science Foundation VIGRE** (Vertical Integration of Research and Education in the Mathematical Sciences) **Fellowship.** Department of Statistics, University of California, Berkeley. 2002-2003.
- National Science Foundation Graduate Fellowship.** 1999-2002.
- Sherwood Prize in Mathematics.** Recognizing outstanding graduating seniors in mathematics. Department of Mathematics, University of California, Los Angeles. 1997.

PROFESSIONAL MEMBERSHIPS

Institute of Mathematical Statistics
American Statistical Association
International Society for Computational Biology

REFEREE WORK

Bioinformatics
Genome Research
Genome Biology