

CURRICULUM VITAE – Dafna Nathan (Parchomovsky)

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1. Academic Education

- B.Sc. **1990-1993** – Hebrew University of Jerusalem –
Chemistry, magna cum laude
- M.Sc. **1993-1995** - Hebrew University Hadassah Ein Kerem – Pharmaceutical
Chemistry Prof. Amiram Goldblum, *In Silico* Design of Cathepsin D
inhibitors
- Ph.D. **1995-2002** – Yale University, Connecticut USA - Chemistry
Prof. Donald M. Crothers, Bending and Flexibility of EcoRI DNA.
- Post Doc. **2002-2005**- Wistar Institute, Philadelphia PA - Gene Expression and
Regulation Program, Prof. Shelley L. Berger, Histone sumoylation
and transcription regulation.

2. Academic Employment

2007-2011, Chairperson of the Pharmaceutical Chemistry Department, Hadassah College
Jerusalem.

2006-2011, Lecturer of Organic Chemistry, Biochemistry and Pharmaceutical Chemistry at the
Pharmaceutical Chemistry Department, Hadassah College Jerusalem.

2008-present, Lecturer in Bioinformatics, academic reading and writing, seminars and research
project at the Biotechnology Department, Hadassah Academic College Jerusalem.

3. Academic Activities:

1995-2005: Publications in peer-reviewed journals during PhD and Post-doctoral training.

2010-present: Research and development of programs to promote technology use in
learning and teaching among teaching staff.

2016-present, Academic advisor, Biotechnology Dept. Hadassah Academic College.

2019-present, Academic manager, "הדבר הבא" program, Student Career Development
Office, Hadassah Academic College.

4. Grants and Awards

1995-1997, Fulbright Scholarship for PhD studies overseas.

2013-2020, Outstanding teaching awards, Hadassah Academic College.

5. List of Publications

5.1 Peer reviewed papers

1. Matza-Porges S, Nathan D., A biosafety level 2 virology lab for biotechnology undergraduates. *Biochem Mol Biol Educ.* 2017.
2. Dafna Nathan, Kristin Ingvarsdottir, David E. Sterner, Gwendolyn R. Bylebyl, Jean A. Dorsey, William S. Lane, Pamela B. Meluh, Erica S. Johnson and Shelley L. Berger Histone sumoylation is a negative regulator in *Saccharomyces cerevisiae* and shows dynamic interplay with positive-acting histone modifications *Genes Dev.* 2006.
3. Sterner David E; Nathan Dafna; Reindle Alison; Johnson Erica S; Berger Shelley L Sumoylation of the yeast Gcn5 protein. *Biochem.* 2006.
4. Nathan Dafna; Sterner David E; Berger Shelley L; Histone modifications: Now summoning sumoylation. *PNAS*, 2003.
5. R. M. Savizky, S. N. Savinov, D. Nathan, D. M. Crothers, D. J. Austin Design, synthesis, and evaluation of small molecule inhibitors for RNA-protein interactions. Abstracts of papers of the American Chemical Society, 2002.
6. Nathan D.; Crothers D.M.; Bending and flexibility of methylated and unmethylated EcoRI DNA. *J. Mol. Biol*, 2002.

5.2 Papers and Abstracts - Proceedings of Conferences

Dafna Nathan, "Challenges in a Multicultural Technical Education Classroom" IFAW/MOFET Conference 2010.