

Danica DeGroot, Post-Doctoral Fellow, in EPA's National Center for Computational Toxicology

[Mailing Address](#)

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Area of Expertise: Dr. DeGroot is involved in the design and refinement of *in vitro* assays to detect environmental toxicants and is currently researching methods to retrofit existing high-throughput screening (HTS) assays with metabolic competence.

Select Publications:

DeGroot DE, Franks DG, Higa T, Tanaka J, Hahn ME, and Denison MS. (2015) [Naturally-occurring marine brominated indoles are aryl hydrocarbon receptor ligands/agonists.](#) *Chemical Research in Toxicology* 28(6):1176-85. [Exit](#)

DeGroot DE, Hayashi A, and Denison MS. (2014) [Lack of ligand-selective binding of the aryl hydrocarbon receptor to putative DNA binding sites regulating expression of Bax and paraoxonase 1 genes.](#) *Archives of Biochemistry and Biophysics* 541:13-20. [Exit](#)

DeGroot DE and Denison MS. (2014) [Nucleotide specificity of DNA binding of the aryl hydrocarbon receptor:ARNT complex is unaffected by ligand structure.](#) *Toxicological Sciences* 137(1):102-13. [Exit](#)

DeGroot D, He G, Fracalvieri D, Bonati L, Pandini A and Denison MS. (2011) [AhRligands: Promiscuity in binding and diversity in response.](#) In: *The Ah Receptor in Biology and Toxicology*, Edited by Pohjanvirta, R., pp 63-79, John Wiley & Sons, Inc. [Exit](#)

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Education:

- B.S., summa cum laude, Colorado State University, Fort Collins, CO; Environmental Health, 2001
- Ph.D., University of California, Davis, CA; Pharmacology and Toxicology, 2012

Professional Experience:

- Graduate Student Researcher Traineeship, UC Davis Superfund Basic Research and Training Program, 2008
- Honorable Mention for Graduate Student Poster, Molecular Biology Specialty Section, Annual Meeting of the Society of Toxicology, 2008.
- Trainee, NIEHS Training Grant in Environmental Toxicology, UC Davis, 2005-2008.
- Schwall Fellowship in Medical Research, UC Davis, 2003-2005

Additional Publications:

[National Center for Biotechnology Information](#) [Exit](#)