



Idaho State Police Forensic Services



Scott Donaldson
Forensic Scientist II
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Education:

1990 University of Minnesota
PhD Chemistry

1985 Idaho State University
BA Chemistry

Experience:

6/2021 - Present Forensic Scientist II
Idaho State Police Forensic Services
Duties: Controlled Substance Analysis

6/2019 – 6/2021 Forensic Scientist I
Idaho State Police Forensic Services
Duties: Controlled Substance Analysis

1995 – 2019 Process Engineer, Engineering Section Manager, Sr. Engineering Manager
ON Semiconductor
Duties: Production of Semiconductors

1990 – 1995 Senior Scientist
Westinghouse Hanford Company
Duties: Environmental Analysis, RCRA, CERCLA

Certification:

2022-present Drug Analysis- American Board of Criminalistics (ABC)

Testimony:

I have testified as an expert in controlled substance analysis in Idaho district court in the following counties: Bannock, Caribou, Custer and Twin Falls.

<https://isp.idaho.gov/forensics>

EQUAL OPPORTUNITY EMPLOYER

Revised 12/14/22

Scott Donaldson

Teaching; Presentations:

- 1992 – 1995 Washington State University (Tri-Cities Annex) – Adjunct Professor of Chemistry, responsible for teaching core graduate courses in organic chemistry
- 9/2018 Idaho State University Chemistry Seminar – “ON Semiconductor Products and Processes”
- 11/2002 American Microsystems Engineering Forum – “Use of a Bottom Anti-Reflective Coating (BARC) for Gate Patterning at the 0.5 and 0.35um CMOS Technology Nodes”
- 7/1992 Rocky Mountain Conference on Analytical Chemistry, “Nitration of Semi-volatile Acid Surrogates in Hanford Site Mixed Waste” **Scott M. Donaldson**, Jon E. Christensen, et. al, Westinghouse Hanford Company, Richland, WA 99352. (350)
- 7/1993 Rocky Mountain Conference on Analytical Chemistry, “Normal Paraffin Hydrocarbon Cleanup of Hanford Site Mixed Waste Samples Prior to Volatile and Semi-volatile Analysis” **Scott M. Donaldson**, Jon E. Christensen, and Rolland R. Grabbe, Westinghouse Hanford Company, Richland, WA 99352. (350)
- 7/1994 Rocky Mountain Conference on Analytical Chemistry, “Determination of Di-(2-Ethylhexyl) Phosphoric Acid (HDEHP) in Hanford Nuclear Process Waste by Derivatization GC/MS” **Scott M. Donaldson**, Jon E. Christensen and Rolland R. Grabbe, Westinghouse Hanford Company, Richland, WA 99352. (350)

Research; Publications; Patents:

Donaldson, S M; Hoye, T R; “The First Total Synthesis of (\pm)-Differolide” Donaldson, SM PhD Thesis 1990 – University of Minnesota

Hoye, T R; **Donaldson, S M**; Vos, T J; “An Enyne Metathesis/(4 + 2)- Dimerization Route to (\pm)-Differolide”, *Org. Lett.* 1999, 1, 2, 277-280

Wentao Qin, **Scott Donaldson**, Dan Rogers, Chuck Belisle, Gordy Grivna, Lahcen Boukhanfra, Julien Thiefain, Denise Barrientos, Jim Steinwall, George Chang, Jeff Gambino, Rebecca Burgin; “Via resistance increase accelerated by thermal stress”, *Microelectronics Reliability*, 2021, 120, 114102

United States Patent # US 9478426 - Thomason; Michael, Quddus; Mohammed Tanvir, Morgan; James, Mudholkar; Mihir, **Donaldson; Scott**, Semiconductor Device and Manufacturing thereof

United States Patent # US 9552993 - Thomason; Michael, Quddus; Mohammed Tanvir, Morgan; James, Mudholkar; Mihir, **Donaldson; Scott**, Grivna; Gordon M; Semiconductor Device and Manufacturing thereof

Scott Donaldson

United States Patent #US 10211060 - Thomason; Michael, Quddus; Mohammed Tanvir, Morgan; James, Mudholkar; Mihir, **Donaldson; Scott**, Grivna; Gordon M; Semiconductor Device and Manufacturing thereof

United States Patent #US 10388801 – Mudholkar, Mihir; Quddus, Mohammed T; Shin, Ikhoon; **Donaldson, Scott M**; Semiconductor Device and Manufacturing thereof

United States Patent #US 10797182 – Mudholkar, Mihir; Quddus, Mohammed T; Shin, Ikhoon; **Donaldson, Scott M**; Semiconductor Device and Manufacturing thereof

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