

## Experience

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**Senior Policy Officer** **since March 2020**

**IP and Frontier Technologies Division, Infrastructure and Platforms Sector,  
World Intellectual Property Organisation (WIPO)**

*Formerly, Division of Artificial Intelligence Policy*

The Division was established to provide Member States with an overarching forum to discuss the implications of frontier technologies, including AI, and data for the existing IP systems and to understand and consult about possible IP policy responses.

I am responsible for frontier technology-related IP policy issues and work together in close cooperation with all WIPO sectors to pull together the individual strands of discussions on specific IP rights and frontier technologies.

**Associate Policy Officer on Artificial Intelligence AI and Data** **June 2019 – February 2020**

**Office of the Director General, WIPO**

During this period, I was the focal point at WIPO in matters related to the impact of AI and data on IP policy. I coordinated WIPO's activities to shape a balanced IP system in the light of AI and an increasingly digitalized economy, reporting directly to the Director General.

**Associate Program Officer** **March 2018 – May 2019**

**Innovation and Technology Support Section, Access to Information and Knowledge  
Division, Global Infrastructure Sector, WIPO**

I was responsible for managing and coordinating the *Development Agenda Project on Intellectual Property Management and Transfer of Technology: Promoting the Effective Use of Intellectual Property in Developing Countries, Least Developed Countries and Countries with Economies in Transition*. The general objective of the project was to promote the effective use of IP as a tool for socio-economic development by building capacity in IP management and technology transfer in all parts of the innovation value chain.

**Assistant Director** **February 2018**

**International Policy and Cooperation section, Policy and Governance Group, IP Australia**

As assistant director in the International Policy and Cooperation section, I had a leadership role with responsibility providing strategic policy research and advice on current and emerging IP issues.

**Research Fellow** **May 2017 – December 2017**

**Innovation Economics section, Economics and Statistics Division, WIPO**

I was seconded to the World Intellectual Property Organisation (WIPO), where I worked on a research project on IP and mining. I coordinated a patent landscape providing an overview of innovation within the mining sector. The work has directly resulted in two working papers, as well as a forthcoming book published by Cambridge University Press, *Global Challenges for Innovation in the Mining Industries*. The book compiles original empirical research on the main global trends and patterns of the mining sector in terms of innovation and IP use. The discussion focuses on the main challenges faced by the mining industry. I am a co-editor of the book.

**Head of Patent Analytics**

**September 2014 – May 2017**

**Patent Analytics Hub, IP Australia**

IP Australia's [Patent Analytics Hub](#) helps Australian innovators make the most of their intellectual property to more effectively commercialise research, helping them use their patent portfolios and the information about patents to improve commercial outcomes.

As the Head of the Hub, I led a highly technical and specialised team to ensure that our work remains current and contributes to IP Australia strategic goals and the Australian Government's National Science and Innovation Agenda (NISA).

**Senior Patent Analyst**

**July 2013 – August 2014**

**Patent Analytics Hub, IP Australia**

During my time as an analyst, I delivered a range of patent analytics projects to both government agencies and medical research institutes.

**Patent Examiner, IP Australia**

**February 2007 – August 2014**

**Patents and Plant Breeder's Right Group, IP Australia**

As a patent examiner, I scrutinized Australian and international patent applications, assessed detailed written descriptions of inventions and associated claims to determine whether the application meets legislative requirements.

**Tertiary Qualifications**

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**Doctor of Philosophy (Chemistry)**

**2003–2008**

**The University of Melbourne**

- Thesis title: Formal Total Synthesis of Zaragozic Acid C
- Awarded The Monica Elizabeth Reum Memorial Prize by the Head of the School of Chemistry for an outstanding PhD thesis in an area of Organic Chemistry.

**Master of Industrial Property (partial completion)**

**2007-2008**

**University of Technology Sydney**

**Bachelor of Science (Honours)**

**1999–2003**

**The University of Melbourne**

- 1st Class Honours in Organic Chemistry

**Professional Associations**

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Member, Royal Australian Chemical Institute

2001–2017

Member, Patent Information Users Group

2015–2017

## Publications

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Alica Daly, David Humphreys, Julio Raffo & Giulia Valacchi (Eds.) (2021) [Global Challenges for Innovation in the Mining Industries](#), Cambridge University Press

Alica Daly, Giulia Valacchi & Julio Raffo (2019) "[Mining patent data: Measuring innovation in the mining industry with patents](#)" WIPO Economic Research Working Paper No. 56

Giulia Valacchi, Julio Raffo, Alica Daly & David Humphreys (2019) "[Innovation in the Mining Sector and Cycles in Commodity Prices](#)" WIPO Economic Research Working Paper No. 55

Daly, Alica (2008) "[From Lab to Law: IP Australia](#)" Chemistry in Australia, 75(2), 3-4

Daly, Alica Margaret (2008) "[Formal total synthesis of Zaragozic Acid C](#)" Ph.D. Thesis, School of Chemistry, Bio21 Institute, University of Melbourne

Bunte JO, Cuzzupe AN, Daly AM, Rizzacasa MA (2007) "[Formal synthesis of \(+\)-Zaragozic Acid C](#)" Synfacts, (2), 130

Bunte JO, Cuzzupe AN, Daly AM, Rizzacasa MA (2006) "[Formal total synthesis of \(+\)-zaragozic acid C through an Ireland-Claisen rearrangement](#)" Angewandte Chemie (International ed. in English), 45(38), 6376-6380

In addition to supervising and editing many of the reports published by the [Patent Analytics Hub](#), I have been directly involved in co-authoring a number of IP Australia and WIPO publications.

WIPO (2019) "[WIPO Technology Trends 2019: Artificial Intelligence](#)" Geneva: World Intellectual Property Organization.

IP Australia (2017) "[University-Industry Collaboration and patents](#)" Canberra: IP Australia

IP Australia (2017) "[Australian IP Report 2017](#)" Canberra: IP Australia

IP Australia (2016) "[Australian IP Report 2016](#)" Canberra: IP Australia

IP Australia (2016) "[An intellectual property study of the Australian textiles, clothing and footwear industry](#)" Canberra: IP Australia

IP Australia (2015) "[Australian Medical Devices: A Patent Analytics Report](#)" Canberra: IP Australia

IP Australia (2015) "[A patent analytics study on the Australian Pharmaceutical Industry](#)" Canberra: IP Australia

IP Australia (2014) "[The Australian food industry: a patent analytics report](#)" Canberra: IP Australia