

Ri Xu, Ph.D.

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Montreal, QC, Canada

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Summary

- Twelve years of experience in science writing for multiple fields, as demonstrated by 9 publications (first author), 16 presentations, and 40+ medical writing projects.
- Timeline management and meticulous attention to detail that helped a variety of evidence-based medical writing projects across multiple therapeutic areas.
- Lead and handled 50+ review processes that meet deadlines and critical requirements.

Work Experience

Freelance medical writer

XURI Medical (Self-employed), Canada

Sep. 2020 – Present

- Forty+ medical writing projects in multiple therapeutic areas: oncology, gastroenterology, dermatology, psychiatry, ergonomics, orthopedics, medical devices, etc.
- Evidence-based medical writing projects involving summary writing, editing, illustration, fact-checking, and critical discussion; continuing medical education (CME) needs assessment, summary reports, manuscripts, slide decks, annotation, and clinical evaluation reports.
- Gained training in regulatory compliance and statistics for medical writing.

Doctorate researcher

Polytechnique, Montreal, Canada

May 2015 – Sep. 2020

- Project management skills and ability to work under pressure, as demonstrated by completion of 7 research projects, 7 formal presentations, and 5 publications in the medical device research domain within 5.5 years.
- Documents with complexity (100+ pages) including writing, editing and reviewing processes and the use of specific templates and style guides.
- Data interpretation skills as demonstrated by critical data analysis for 20+ datasets; data presentation skills shown by 10 summary reports.
- Problem-solving strategies and stakeholder management skills: conducted 10 comment resolution meetings that successfully lead to consensus for the publications.
- Established work practices into 3 standard operation procedure (SOP) documents; Coached 10+ less experienced personnel.

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Graduate researcher

East China Normal University, China

Sep 2011 – Dec 2014

- Project management skills demonstrated by completion of 3 research articles, editing 7 manuscripts of articles (adapted to different templates and styles) and presenting 10 times in 3 years.
- Issue-resolving skills as demonstrated by handling two major review processes.
- Advised junior staff on scientific research and writing in English.

Research assistant

Tongji University, China

Sep 2010 – May 2011

Shanghai Institute of Ceramics, China

July 2008 – Aug 2008

- Research work and three presentations on the medical device biosensor and bioceramics.

Education

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| Ph.D., Engineering Physics, Polytechnique Montreal, Montreal, Canada | 2015 - 2020 |
| M.Sc., Material Engineering, East China Normal University, Shanghai, China | 2011 - 2014 |
| B.Sc., Chemistry, Tongji University, Shanghai, China | 2007 - 2011 |

Skills and languages

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|--|---------------------|-----------------|----------------------|
| Science writing and oral communication | Critical thinking | Microsoft Word | Summary reports |
| Grant writing | Attention to detail | Microsoft Excel | English (Proficient) |
| Data Analysis | Needs Assessments | Leadership | Chinese (Native) |

Honors & Awards

- The Lecture Award from the Materials Research Society (MRS).

Affiliations and Hobbies

- American Medical Writers Association (AMWA).
- Medical Writing Organization (MWO) – Cheeky Scientist Association (CSA).
- Biking, martial arts and dancing.

Publications (10) and Conference proceedings (5)

1. **R. Xu**, "Hand And Back Muscle Pain And How To Avoid Them: A Regulatory Writer's Story," Regulatory Matters, European Medical Writers Association, September 2022.
2. **R. Xu**, "The Tough Journey to You: How the COVID-19 Vaccine Proves Itself", FlockofScientists.com., 20 April 2021.

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3. **R. Xu**, "Electrochemical Studies on the Biopigment Eumelanin," Polytechnique Montreal, 2020.
4. **R. Xu**, et al., "An Electrochemical Study on the Effect of Metal Chelation and Reactive Oxygen Species on a Synthetic Neuromelanin Model," *Front. Bioeng. Biotechnol.*, vol. 7, pp. 1–11, 2019.
5. **R. Xu**, et al., "Melanin: A Greener Route to Enhance Energy Storage under Solar Light," *ACS Omega*, vol. 4, no. 7, pp. 12244–12251, 2019.
6. **R. Xu**, et al., "Light-enhanced Electrochemical Energy Storage of Synthetic Melanin on Conductive Glass Substrates," *MRS Adv.*, vol. 5, no. 27–28, pp. 1441–1448, 2020.
7. **R. Xu** et al., "An Electrochemical Study of Natural and Chemically Controlled Eumelanin," *APL Mater.*, vol. 5, no. 12, p. 126108, 2017.
8. E. Di Mauro, **R. Xu**, et al., "Natural Melanin Pigments and Their Interfaces with Metal Ions and Oxides: Emerging Concepts and Technologies," *MRS Commun.*, vol. 7, no. 2, pp. 141–151, 2017.
9. **R. Xu**, et al., "Self-assembly of Miscible Homopolymer/Quasi-block Copolymer Blends/MWNT Composites: A Strategy to Obtain Ultralow Electrical Percolation Threshold and Mechanism," *RSC Adv.*, vol. 5, no. 21, pp. 15841–15843, 2015.
10. **R. Xu** and X. Xu, "Enhanced Electrical Conductivity of Poly(methyl methacrylate)-quasi-block-polystyrene/Multiwalled Carbon Nanotubes Composites with An Optimized Double Percolation Mechanism," *RSC Adv.*, vol. 4, no. 79, pp. 42226–42233, Aug. 2014.
11. **R. Xu**, "Electrochemical Studies on the Biopigment Eumelanin", thesis defense, Polytechnique Montreal, 27/8/2020.
12. **R. Xu**, et al., "Shedding light on the hydration-dependent electrical conductivity in eumelanin thin Films", 2016 Materials Research Society (MRS) Fall Meeting and Exhibit, Materials Research Society, Poster; Boston, USA, 28/11/2016.
13. **R. Xu**, et al., "Electrochemical properties of chemically controlled eumelanin", 2017 MRS Fall Meeting and Exhibit, Materials Research Society, Oral; Boston, USA, 29/11/2017.
14. **R. Xu**, et al., "Electrochemical studies on molecular models of neuromelanin", 69th Annual Meeting of the International Society of Electrochemistry (ISE), Poster, Bologna, Italy, 2/9/2018.
15. **R. Xu**, et al., "Solar light harvesting enhances the energy storage performance of melanin-based electrodes", 69th Annual Meeting of the International Society of Electrochemistry (ISE), Poster, Bologna, Italy, 3/9/2018