

# Dr. Rob Callahan, Ph.D.

Professor of Chemistry · City Creek University, Dalton, CO

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## EDUCATION

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- 2004            **Ph.D., Chemistry** — University of Wisconsin–Madison  
1999            **B.S., Chemistry** — Colorado State University

## ACADEMIC POSITIONS

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- 2016–present    **Professor of Chemistry** — City Creek University  
2010–2016      **Associate Professor of Chemistry** — City Creek University  
2004–2010      **Assistant Professor of Chemistry** — City Creek University

## BOOKS

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- 2023            **The Cleaner Reaction: How Chemistry Can Heal the Planet** — Basic Books  
2021            **Catalysis for a Sustainable Future** (editor) — Wiley  
2018            **Principles of Green Organic Chemistry** — Oxford University Press

## SELECTED PUBLICATIONS

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- 2023            "Manganese-Catalyzed C–H Functionalization Under Visible Light," *J. Am. Chem. Soc.*  
2021            "Iron-Catalyzed Cross-Coupling in Aqueous Media," *Nature Catalysis*  
2019            "Solvent-Free Amide Synthesis with Earth-Abundant Metals," *Green Chemistry*

## GRANTS & FUNDING

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- 2020–2025      **Sustainable Catalysis with First-Row Transition Metals** — NSF (\$2.4M)  
2018–2021      **Photocatalytic Routes to Fine Chemicals** — U.S. Dept. of Energy (\$1.6M)  
2009–2014      **CAREER: Earth-Abundant Catalysis for Green Synthesis** — NSF (\$650K)

## EDITORIAL, SERVICE & HONORS

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- 2019–present    **Associate Editor**, Green Chemistry (RSC)  
2017–present    **Director**, Chemistry in the Community Outreach Program  
2019            ACS Award for Affordable Green Chemistry · Fellow, Royal Society of Chemistry  
2009            NSF CAREER Award