



Robert H. Crabtree

Born: London, April 17, 1948

Education:

1966-70 New Coll., Oxford: B.A.
(Malcolm Green)

Nationality: U.S., U.K.

1970-73 Sussex University: D. Phil.
(Joseph Chatt)

Positions:

1973-75	CNRS, Gif-s-Yvette, France: Postdoc (Dr. H. Felkin)
1975-77	Gif: Attaché de Recherche (later Chargé de Recherche).
1977-82	Yale University, Assistant Professor
1982-85	Yale University, Associate Professor (tenure 1983)
1985-present	Yale University, Professor (now Whitehead Professor)

Honors:

1981	A.P. Sloan Foundation Fellow	1982	Dreyfus Teacher-Scholar
1984	Corday-Morgan Medal (Roy. Soc. Chem.)	1986	Esso Lecturer, Toronto
1986	D.Sc. Sussex; Fellow, Roy. Soc. Chem.	1990-2017	Ed. Board, <i>Chem. Rev.</i>
1991	Organometallic Chemistry Prize of Roy. Soc. Chem.		
1992	Chair, Organometallic Subdivision, Amer. Chem. Soc. (Vice Chair. '91)		
1993	Organometallic Chemistry Prize of Amer. Chem. Soc.		
1994	Mack Award and Lecture, Ohio State.		
1996	H.C. Brown Lecture (Purdue); <i>Popular Science</i> Env'tl. Technology Award		
1997	Marple Lecture, Northwestern Univ.		
1998	Chair, Div. of Inorganic Chemistry, Amer. Chem. Soc. (Vice Chair. '97)		
1999	Dow Lecture (Ottawa).	2000-1	ISI Highly Cited Author Award.
2001	Bailar Medal and Lecture (Illinois).		
2004	Dow Lecture (Berkeley), Williams Lecture (Oxford).		
2006	Sabatier Lecture (Toulouse); Brewster Lecture (Kansas); Johnson Matthey Rhodium Bicentenary Prize.		
2007	Karcher Medal and Lecture (Oklahoma).	2008	Lutz Lecture (U Va)
2009	Osborn Lecture (Strasbourg); Shore Lecture (Ohio St U); Job Lectures (Memorial U); Mond Award Lectureship, (Roy. Soc. Chem.) MIT Student invitee.		
2010	Kosolapoff Award (Amer. Chem. Soc. & Auburn U); Rothchild Lecture (Rochester U); Stauffer Lecture (USC); C.P. Whitehead Prof., Yale.		
2011	King Lecture (U Ga); Gomberg Lecture (U Mich); Fellow of Amer. Chem. Soc., IUPAC & American Academy of Arts & Sciences.		
2013	McElvain Lecture (U Wisc., Madison); Yale Postdoctoral Mentoring Award.		
2014	Siedle Lecture (Indiana); Centenary Award (Roy. Soc. Chem.)		
2014-17	Clarivate Highly Cited Researcher		
2015	Geoffrey Goates Inorganic Award (U. Wyoming); Thompson Reuters 'Most influential' list. ¹		
2016	D.Sc. (Hon.) Univ. of Bath; Hillger Lect. (Wm. & Mary); Eisch Lecture (SUNY, Binghamton)		
2017	National Academy of Sciences.		
2018	Encyclopedia of Reagents for Organic Synthesis 2018 Reagent of the Year Award; Connecticut Academy of Sciences; Fellow of the Royal Society.		

Selected Authorship, Editorial and Committee Positions

1985-2014 *The Organometallic Chem. of the Transition Metals*, Wiley, NY, 6 editions.
1995-'06 Ed. in Chief *Encycl. Inorg. Chem.*, co-Ed. in Chief, *Comprehensive Organomet. Chem.*
2005-17 Ed. Board, *Chem. Rev.* Guest ed., *Chem Rev Spec. Iss.* (2010 & 2017)
2006-17 Board of regional editors, *Science*.
2009- Advisory Board *ChemCatChem*, *Green Chem*, *Coord Chem Rev.*, *Dalton Trans.* etc
2011 Harvard Promotion Ctee

Theses: Gif (France): G.E. Morris. Yale: **J.M. Quirk**, G.G. Hlatky, **M.F. Mellea**, **J.M. Mihelcic**, C. Parnell, M.W. Davis, D.R. Anton, M.J. Burk, **M.E. Lavin**, **A. Habib**, D.G. Hamilton, S.H. Brown, R.J. Kulawiec, M.P. McGrath, X.L. Luo, **R.S. Tanke**, R.R. Ferguson, C.A. Muedas, **L. Efros**, R. Manchanda*, D. Michos, Z. Lu, T. Richardson, J.C. Lee, **L.A. Fowley**, **M. Loza**, **K.K. Mosny**, J. Wessel, B.P. Patel, W. Yao, J. Burdeniuc, K. Kavallieratos, J. Limburg*, U.M. Rabie, **P. Desmurs**, C. Beck, J.S. Vrettos*, **J. Chen**, **K. Gruet**, **J. Loch**, J. Mata, A. Kovacevic, J. Miecznikowski, X. Li. A. Chianese, **L. Appelhans**, H.Chen*, R Tagore*, S. Das*, C. Cady*, **A Voutchkova**, C. Leung, D. Gnanamgari, J. Hull*, W. McNamara, **L. Allen**, G Dobereiner*, K Luthy†, N. Schley, J. Blakemore*, T Brewster, M Zhou, A Alferiev, A Parent*, **O Luca**, **L Martini**, **Alexandra Schatz**†, J Graeupner, M Manas, **Thoe Michaelos**, Jeffrey Chen, **Daria Huang**, Shashi Sinha*, Dimitar Shopov*, Sam Collom, Aaron Bloomfield, Jeffrey Chen, Liam Sharninghausen.[79] *Current:* **Katie Fisher***, **Hannah Lant***, Jeremy Weber*. (*shared, Bold = Fem. † M.A.)[3]

Postdoctoral coworkers: *Past:* R.J. Uriarte¶, R.P. Dion, **S.M. Morehouse**¶, M. Zimmer, H.H. Thorp, **A.C. Albeniz**, P. Krajnik, D. E Barber, C.-H. Jun, T. Aoki¶, E. Peris, T. Yoneyama¶, **B. Jedlicka**, A.C. Cooper, **L. H. McAlexander**, D.-H. Lee, **C. Borgmann**, **M. Dieguez**, **M.-N. Collomb**, **T. Dubé**, S. Gründemann, **Guillermina Rivera**, **Macarena Poyatos**, E. Rajaseelan¶, M. Albrecht, M. Janzen, José Mata, **Audrey Moores**, **Effie Sauer**. Gary Moore*, Jeremy Praetorius, Ulrich Hintermair, Jesus Campos, Matthieu Koepf, Aaron Bloomfield. (*shared, Bold = Fem. ¶ faculty or industry visitors) [34]

Undergraduates: **P. Bianconi**, D.V. McGrath, C.G. Boojamra, K.L. Taft, **M. Didiuk**, T. Poon, **J. Blewitt**, H. Liu, M. Hall, C. White, G. Wertheim, **C.A. Sassano**, **P. Das**, P. Tan, B.J. Pistorio, **M. Sanford**, **Y.-J. Park**, M.T. Torres, **C. M. Bertao**, **S. Hwang**, S.E. Rathmill, **A. Samuel**, B. Zeglis, T. C. Martin, **T. Vogel**, Lee SH, **Bowring M.**, Rittenbach, K., C. Butler, **S. Hilton**, M. Ziegler, **A. Coplin**, **C Chamberlin**, **Aubrey Graham** (Smith College), **Kerry Rippy**, Lucas Pratt, **Alison Altman**, **Julia Borovic***, **Abby Gundrum***. [37]

Administrative Positions:

Past: Dir. Undergrad. Studies, Dept. of Chemistry; Chair, Inorg. Chem. Div., ACS; Ed. in Chief, *Encycl. Inorg. Chem.*, Co-Ed in Chief, *Comprehensive Organometallic Chem.* 3rd ed.; Guest Ed., Chem Rev, CH Activation Special Issues, 2010 and 2017.

Citations to publications

>42,500 citations (*h* = 108) 650 papers. Search terms: Au = Crabtree RH OR Crabtree R; addr = Yale OR Gif.

Contact details robert.crabtree@yale.edu, 203-432-3925, <https://chem.yale.edu/people/robert-crabtree>
Yale Chemistry Dept., 225 Prospect St., New Haven, CT, POB 208107, 06520-8107, US

Fellowships: Amer. Acad. of Arts & Sci., Amer. Chem. Soc., Roy. Soc. Chem., Intl. Union Pure Appl. Chem. Royal Society. **Member:** Amer. Energy Soc. Bibliographical Soc. (London), Nat. Acad. Sci., CT. Acad. Sci.

Notes [1] http://images.info.science.thomsonreuters.biz/Web/ThomsonReutersScience/%7B37a987a9-e378-4888-8baa-d4ba20efdbfd%7D_tr_scientific_minds_online_final.pdf also 2016 list at [http://hcr.stateofinnovation.thomsonreuters.com/!](http://hcr.stateofinnovation.thomsonreuters.com/) Also 2017 list.

Awards to graduate students and ex-group members. J. Limburg, best thesis, Yale Chemistry, 2001; Rani Tagore, best thesis, Yale University 2007; Sid Das, best thesis, Yale Chemistry 2008; Laura Allen, ACS-Green Chem. Hancock Award 2010; James Blakemore, Lindau Nobel Conf., 2010; Laura Allen, James Blakemore: speakers at 2011 symp. for the 150th anniv. of the first Ph.D. in N. America awarded by Yale. James Blakemore: Center for Chem. Innovation PD Fellow (Caltech, 2012). Yale nominee 2012 CGS ProQuest Distinguished Dissertation Award. James Blakemore, Graham Dobereiner, Wolfgang Prize for best thesis Chem. Dept.; Lauren Martini, NSF Travel Grant; Oana Luca, winner AAAS/Science Program for Excellence in Science.

Ex-group: Melanie Sanford, 2011 ACS Pure Chem. Award, ACS Fresenius Award and RSC Fluorine Chem. Award, MacArthur Fellow. John Miecznikowski, Teacher of the Year, Fairfield U, 2010; Laura Allen, 2011 Hancock Green Chem. Award; Univ. Service Award, 2014; Eduardo Peris, 2012 Spanish National Inorganic Chemistry Award. Postdocs: 2012. James Blakemore, for Harry Gray (Caltech); Nathan Schley, for Greg Fu (Caltech); Laura Allen, for Melanie Sanford (Mich St Ann Arbor); Graham Dobereiner, for Dick Schrock (MIT); Tim Brewster, for Karen Goldberg (UW, Seattle); Meng Zhou, for Alan Goldman (Rutgers); Jesus Campos, Talentia Fellowship, 2014. Staff

Sheehan, National Inventor's Hall of Fame Collegiate Inventor's Competition winner, 2015. Graham Dobereiner, Asst. Prof., Temple U, 2015. Oana Luca: Asst. Prof., UC, Boulder 2016; Liam Sharninghausen, shortlisted for Reaxys PhD Prize, 2016. Monserrat Dieguez, ICREA Academia prize for research excellence and leadership, 2016. Gary F. Moore, NSF CAREER award, 2016. Jesus Campos: Young Chemist Award of the Spanish Royal Society of Chemistry, 2017.