



Alan Chalmers

Alan works in the history and philosophy of the physical sciences and has published on seventeenth-century physics and chemistry, nineteenth-century chemistry and nineteenth-century electromagnetic theory and the history of the *atom*.

His more philosophically-oriented research includes symmetry in physics, the nature of laws in physics and *Brownian motion*. His current research challenges some received wisdoms about the *Scientific Revolution* from the seventeenth-century onwards.

Alan is currently *Honorary Associate Professor* in the *Unit for History and Philosophy of Science, University of Sydney*.

Recent Publications

'Boyle and the origins of modern chemistry: Newman tried in the fire', *Studies in History and Philosophy of Science*, 41, 2010, 1-10.

'Understanding science through its history: A response to Newman', *Studies in History and Philosophy of Science*, 42, 2011, 150-153.

'The philosophical significance of Perrin's experiments on Brownian motion', *British Journal for the Philosophy of Science*, 62, 2011, 711-732.

'Robert Boyle' in *The Handbook of the Philosophy of Chemistry*, A. Woody, R. Hendry and P. Needham (Eds), Amsterdam: Elsevier, 2012, pp. 47-53.

'Klein on the origin of the concept of chemical compound', *Foundations of Chemistry*, 14, 2012, 37-53.

'Intermediate causes and explanations: The key to understanding the scientific revolution', *Studies in History and Philosophy of Science*, 43, 2012, 551-562.

'Boyle's corpuscular chemistry: Atomism before its time' in G. Fisher and E. Scerri (Eds), *Philosophy of Chemistry*, Oxford: Oxford University Press, forthcoming.

'Intermediate causes and explanations: The key to understanding the scientific revolution', *Studies in History and Philosophy of Science*, 43, 2012, 551-562.

'Qualitative novelty in seventeenth-century science: Hydrostatics from Stevin to Pascal', *Studies in History and Philosophy of Science*, 51, 2015, 1-10.

'Robert Boyle's mechanical account of hydrostatics and pneumatics: Fluidity, the spring of the air and their relationship to the concept of pressure'. Forthcoming in *Archive for History of Exact Sciences*.

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