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Synthetic receptors for ammonium ions using dynamic combinatorial chemistry

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1- Development of synthetic receptors that work in aqueous medium should focus on receptors involving polar groups in guest binding as these are likely to be more selective than the ones involving non polar groups.

Kawasaki & Freire *Drug Discov. Today* **2011**, 16, 985–990.

2- Impact factor measurement of a scientist should take into account not only publications in scientific journals, but also the extent to which the scientist succeeds in relaying his work to the general public.

3- It would be valuable to add to the supporting material of a publication the failed experiment data that were part of the scientific process that led to the successful results.

4- A PhD student should be driven merely by the desire to bring science further, not the fear of failing the requirements to obtain the degree.

5- In analogy with dynamic combinatorial chemistry, the Middle East can be seen as a system of which the building blocks lack the reversible linkages allowing their interaction, that can subsequently bring the system to equilibrium.

6- In the field of drug discovery addressing disease-related protein-protein interactions, macrocyclic “middle space” molecules have become more relevant than small “guest” molecules and dynamic combinatorial chemistry represents a powerful tool to bring “middle space” drug discovery to the next level.

Terrett and Rees *Med. Chem. Comm* **2013**, 4, 474.

7- Self-assessment of a PhD experience must include the contributions a PhD student has made to his research group and not only focus on the personal development resulting from being part of the group.

8- The best parties that remain forever in someone’s memory are those left at their peak, not at the end.

9- When evaluating your achievements, do not only see where you have arrived, but look back at where you came from.

10- Writing is the loneliest way of communicating.