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Biocomplexity Faculty Search
c/o C. Howard
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727 East 3rd Street
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Dear Colleagues:

Thank you for your e-mail regarding Dr. Laura Gagliardi. It is a pleasure to comment on her qualifications.

Dr. Gagliardi's work has been, in part, in the successful prediction of new compounds and in computational code development. She is extremely bright, quick, and deep. Her work on predicting new inorganic compounds was recently recognized with the award of the Annual Medal of the International Academy of Quantum Molecular Science. Past recipients of this prestigious award, first given in 1967, are many very well-known theoretical chemists such as R. D. Levine, R. Hoffman, W. H. Miller, K. Morokuma, D. C. Clary, and many others.

I am impressed in discussions with her, and recently asked her to collaborate in a project related to an article in the *Journal of Chemical Physics* **121**, 8201 (2004), "Mass-independent isotope effect in the Earliest Processed Solids in the Solar System. A Possible Chemical Mechanism." The collaboration involves the vaporization and condensation of the complex solids, with the aim of understanding in more fundamental terms the simple results of a phenomenal model in the literature, discussed there. Her expertise in relevant computational methods will play a key role in this research.

Dr. Gagliardi is clearly a rising star and has proven ability and an unusually strong commitment to research and teaching. I am pleased to recommend her to you for a faculty position.

With best wishes.

Cordially,



Rudolph A. Marcus

RAM/he