

CURRICULUM VITAE

Simona Barè

Richland College

12800 Abrams Road, Dallas, TX 75243

Email: SBare@dcccd.edu

Phone: TBD

EDUCATION

PhD in Physical Chemistry - King's College London, London, GB

Post Doctoral Fellowship - University of Huston, Huston, TX

Bachelor and Master's degree in Chemistry - University of Rome "La Sapienza", Rome Italy.

TEACHING EXPERIENCE

2019 –Present Professor, Chemistry Richland College, Dallas, TX

2017 – 2018 Professor, Chemistry Eastfield College, Mesquite, TX

2013 –2017 Professor, Chemistry Richland College, Dallas, TX

2014 –2017 Professor, Chemistry Collin College, Plano, TX

2006- 2010 Math and Science teacher Milan, Italy

1998 - 2001 General Chemistry and Physical Chemistry instructor of laboratory practice

King's College London, London, UK

CERTIFICATES, CERTIFICATIONS & OTHER QUALIFICATIONS

Cooperative Learning Leadership and Cooperative Technologies trainer - *Cooperative Learning Institute, Minneapolis, MN*

Ecampus (Blackboard) *Richland College, Dallas, TX*

PUBLICATIONS

- A.R. Rennie, **S. Barè**, J. K. Cockcroft, A. C. Jupe Characterization of the flow of anisotropic colloidal particles using energy-dispersive X-ray diffraction *Journal of colloid and interface science* 293:22, 475-482, 2006.
- Gao X, Stassinopoulos A, Jie J, Kwon Y, **Bare S**, Goldberg, IH Induced Formation of a DNA Bulge Structure by a Molecular Wedge Ligand-Postactivated Neocarzinostatin Chromophore *Biochemistry*, 2002, 41(16), 5131-5143
- **S. Bare** 'Structural Changes of Concentrated Colloidal Dispersions Under Shear' Ph.D. thesis, 364 pages, (2001)
- A.R. Rennie, P. Barnes, A. C. Jupe, S. D. M. Jacques, S. L. Colston, J. K. Cockcroft, M. Betson, C. Hall, **S. Barè**, J. Shannahan, M. A. Carter, W. D. Hoff, M. A. Wilson and M. C. Phillipson 'Tomographic Energy-Dispersive Diffraction Imaging of static and dynamic systems' *Nondestructive Testing and Evaluation* **17**, 143-167 (2001).
- **Barè S**, Cockcroft JK, Colston SL, Jupe AC, Rennie AR X-ray study of the orientational order of a concentrated dispersion of Kaolinite under flow *J. Appl. Cryst.* (2001). **34**, 573-579
- **Barè S**, Rennie A.R.R. Detergents, food and pastes - understanding how they flow *Exploring Matter with Neutron* Edition 2000 (ILL)
- **Barè S**, Coiro VM, Scaloni A, Di Nola A, Paci M, Segre AL, Ballio A Conformations in solution of the fuscopeptins Phytotoxic metabolites of *Pseudomonas fuscovaginae*. *Eur. J. Biochem.* 1999 266(2):484-492.
- Yang X, Han X, Cross C, **Bare S**, Sanghvi Y, Gao X NMR structure of an antisense DNA.RNA hybrid duplex containing a 3'-CH(2)N(CH(3))-O-5' or an MMI backbone linker. *Biochemistry* 1999 38(39), 12586-12596.

I certify that statements made by me in this vitae are true, complete and correct.