BROWN UNIVERSITY

Postdoc Position

Genomic approaches to study initiation of DNA replication: the key regulatory step in the cell cycle

Applicants should submit the following:

(1) **Cover letter** stating
- Hands-on experience in molecular biology (list methods used) and/or genomics;
- Your long-term career goals;
- Date of availability to begin postdoc research.

(2) **Curriculum vitae** (including publications and awards/honors)

(3) **Three reference letters** (ask your referees to E-mail their letter to Susan_Gerbi@Brown.edu)

Brown University is a vibrant intellectual community with many cross-disciplinary interactions. Providence RI is a delightful city that is 1 hour from Boston, 2 hours from New Haven and 4 hours from New York City.

Susan A. Gerbi; George Eggleston Professor of Biochemistry
Brown University Division of Biology and Medicine
Department of Molecular Biology, Cell Biology and Biochemistry
Sidney Frank Hall room 260; 185 Meeting Street
Providence, RI 02912 USA

Dr. Gerbi was the founding Chair of her department. Her many honors include past-President of the American Society for Cell Biology and a Fellow of AAAS. She has held leadership roles at the national level in best practices for graduate student and postdoctoral training: (a) Chair of FASEB Conference on Graduate Education, (b) Founding member and Chair of the AAMC Graduate Research Education and Training (GREAT) Group and has published several papers in this area [e.g., Gerbi et al, *Science* 292: 1489-1490; Garrison et al, *FASEB J* (in press, 2015)].

Her lab developed the method of Replication Initiation Point mapping that allowed the start site of DNA synthesis to be identified for the first time at the nucleotide level in eukaryotes [Bielinsky and Gerbi, *Science* 279: 95-98 and *Molec. Cell* 3: 477-486]. Her lab initiated the use of λ-exonuclease to enrich replicating DNA, and this method is now widely used by many groups, including as the basis for a popular protocol to discover and map replication origins genome-wide. Dr. Gerbi’s interest in genomics stems back to her graduate student days with Dr. Joe Gall at Yale where she was part of the team that developed the method of *in situ* hybridization to map genes on chromosomes.

(Over)
2015 Papers from the Gerbi Lab:


Additional papers are in submission.