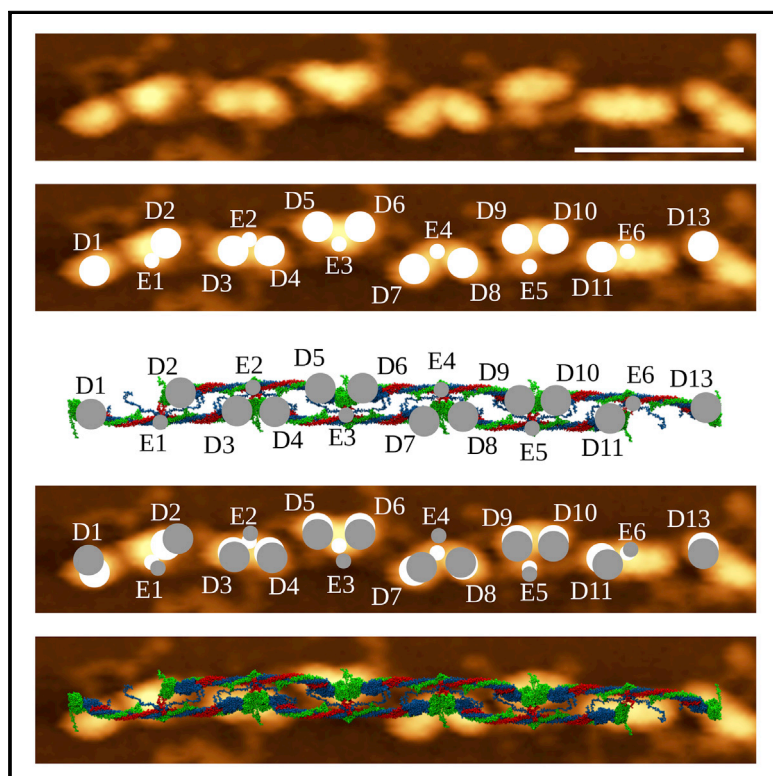


Article

Structure

Atomic Structural Models of Fibrin Oligomers

Graphical Abstract



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In Brief

Zhmurov et al. used 27 relevant crystal structures to computationally reconstruct the full-atomic models of fibrin oligomers and protofibrils, which correlate with high-resolution atomic force microscopy images. The structures contain much valuable information for understanding the early stages of fibrin polymerization.

Highlights

- Atomic structures of fibrin oligomers and protofibrils are reconstructed *in silico*
- Structural models show good agreement with high-resolution AFM images
- Fibrin protofibrils are double-stranded twisted oligomers that can bend and kink
- Hydrodynamic parameters of fibrin oligomers and protofibrils are calculated

