Here are some resources to learn about the structure of hemoglobin and the molecular basis of Sickle Cell Disease:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| # | Resource Name | Authors (where available) | Link/Detail | Comment |
| 1 | Online Macromolecular Museum  https://earth.callutheran.edu/Academic_Programs/Departments/BioDev/omm/images/600x214xomm_logo1.png.pagespeed.ic.X6qQHivDa_.png | David Marcey, Stephanie Levi-Blumer, and  Cassidy R. Terrell | <https://earth.callutheran.edu/Academic_Programs/Departments/BioDev/omm/jsmolnew/hemo/hemoglobina.html> | Hemoglobin A Structure, Sickle Cell Anemia, and Carbon Monoxide Toxicity |
| 2 | PDB-101; Molecule of the Month  RCSB PDB | Shuchismita Dutta, David Goodsell | <http://pdb101.rcsb.org/motm/41> | Hemoglobin |
| 3 | Proteopedia | Eran Hodis, Michal Harel, Joel L. Sussman, Alexander Berchansky, Jaime Prilusky, Eric Martz, Karl Oberholser, Mark Hoelzer, Marc Gillespie, Ann Taylor | <https://proteopedia.org/wiki/index.php/Hemoglobin> | Hemoglobin |
| 4 | MolviZ.Org | Eric Martz | [hemoglobin.molviz.org](http://hemoglobin.molviz.org) | Hemoglobin |
| 5 | CBM MSOE  MSOE Center For BioMolecular Modeling | MSOE | <http://cbm.msoe.edu/includes/modules/jmolCRESTProteins/hemoglobin.html#> | Hemoglobin |
| 6 | HHMI | HHMI | <https://www.hhmi.org/biointeractive/sickle-cell-disease> | Sickle cell Disease |
| 7 | National Center for Case Study Teaching in Science | Debra L. Stamper | <http://sciencecases.lib.buffalo.edu/cs/files/sickle_cell.pdf> | Sickle Cell Anemia |
| 8 | National Heart Lung and Blood Institute | NHLBI | <https://www.nhlbi.nih.gov/health-topics/education-and-awareness/sickle-cell> | Sickle Cell Disease |
| 9 | US Department of Health and Human Services, and National Institute of Health |  | <https://www.nhlbi.nih.gov/files/docs/public/blood/Tagged2NHLBISickleCellTimeline.pdf> | A Century of Progress: Milestones in Sickle Cell Disease Research and Care |
| 10 | Emory Libraries and Information Technology | Emory Center for Digital Scholarship | <http://scinfo.org/> | Sickle Cell Informational Center |

: