The diagram illustrates the relationship between pH and the net charge on a protein, as well as the folding energy of ionizable groups. The graph shows four different lines:

- Light blue line: charge: folded
- Orange line: charge: unfolded
- Teal line: charge: difference
- Black line: $y = \text{zero}$

The $y = \text{zero}$ line represents the point where the net charge on the protein is zero. The folding energy of ionizable groups is indicated by the $G_{\text{min}}$ value at a specific pH, denoted as pH[$G_{\text{min}}$]. The graph highlights the critical pH range where the protein's conformational change occurs, characterized by a minimum folding energy ($G_{\text{min}}$).