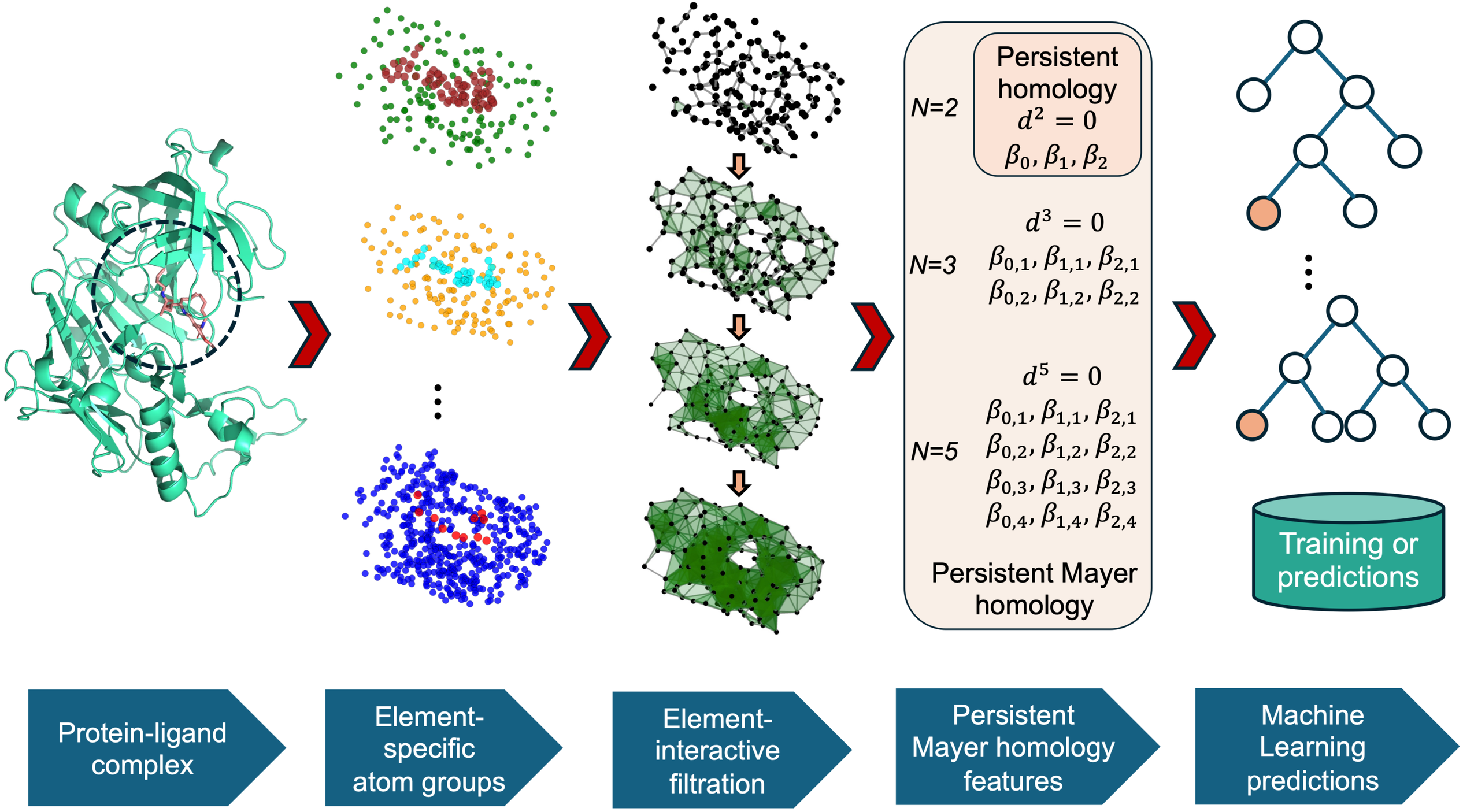
N=2
Persistent homology
$d^2 = 0$
$\beta_0, \beta_1, \beta_2$
N=3
$d^3 = 0$
$\beta_{0,1}, \beta_{1,1}, \beta_{2,1}$
$\beta_{0,2}, \beta_{1,2}, \beta_{2,2}$
N=5
$d^5 = 0$
$\beta_{0,1}, \beta_{1,1}, \beta_{2,1}$
$\beta_{0,2}, \beta_{1,2}, \beta_{2,2}$
$\beta_{0,3}, \beta_{1,3}, \beta_{2,3}$
$\beta_{0,4}, \beta_{1,4}, \beta_{2,4}$
Persistent Mayer homology
Training or predictions
Protein-ligand complex
Element-specific atom groups
Element-interactive filtration
Persistent Mayer homology features
Machine Learning predictions