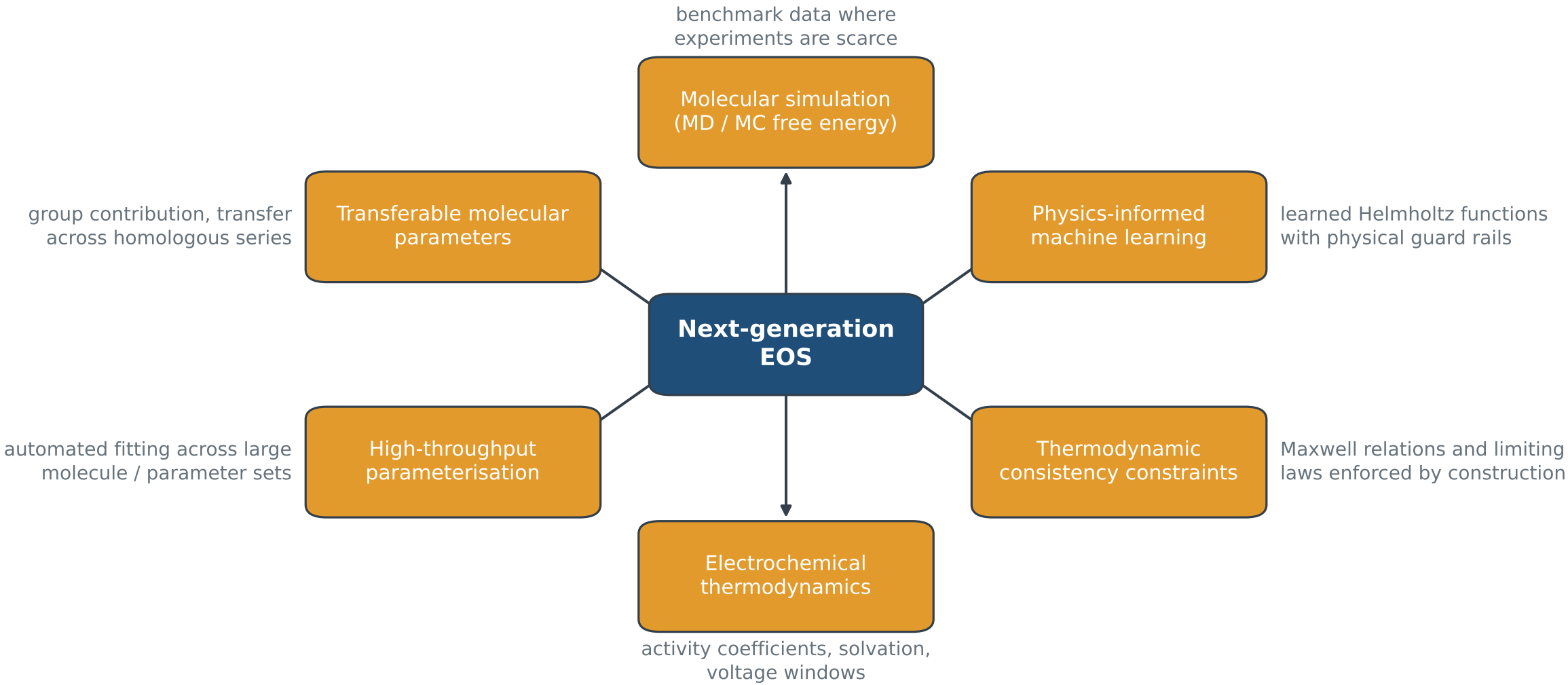Future directions for the equation of state