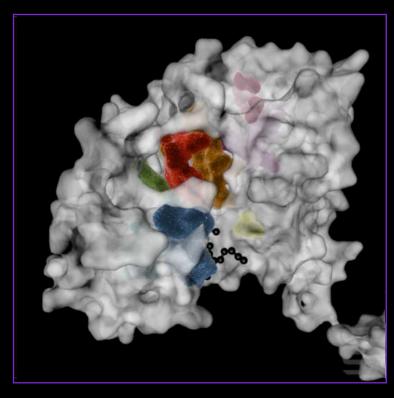
## Protein Kinases are Major Drug Targets



EGF receptor 3D structure with kinase inhibitor drug Tarceva

## Kinase inhibitors are proven drugs

- 11 approved in last 6 years
  - Gleevec (Novartis, \$2.2B in 05)
  - Avastin (Genetech/Roche, >\$1.5B in 06)
  - Herceptin (Genetech, \$0.75B in 05)
  - Erbitux (Imclone/Merck, \$0.67B in 05)
  - Iressa (AstraZeneca, \$0.39B in 04)
  - Rapamune (Wyeth,~\$0.3B in 05)
  - Sprycel (BristolMyersSquibb, >\$0.3B in 07)
  - Tarceva (Genetech/Roche, \$0.28B in 05)
  - Sutent (Pfizer, >\$0.2B in 06)
  - Nexavar (Onxy Pharm/Bayer, >\$0.15B in 06)
  - Fasudil (Asahi Kasei, N/A)
- >75 in clinical trials
- >500 in pre-clinical trials