The heart of our research agenda at the Parallel Computing Laboratory is the development of parallel software. This agenda is driven by compelling applications developed by domain experts in the many areas of expertise: applications, software engineering, programming languages, libraries, testing, operating systems, and computer architecture. We focus on exciting new applications in the areas of
personal health, image retrieval, music, speech understanding, and web browsers-areas that need much more computing horsepower to run well, rather than on legacy programs that already run well on today's computers.

The Par Lab is the result of Berkeley being the unanimous top choice by Intel and Microsoft for a $10M, 5-year Universal Parallel Computing Research Center. Samsung Electronics is our affiliate member.