Deep Intelligence

Bridging Technical and Biological Complexities using AI

Artificial intelligence depends heavily on complex computations and powerful hardware. Biology, on the other hand has its own complex behavior that starts with biochemical pathways and ends with medical practices.

In this presentation, we briefly describe these two worlds of “extreme” complexities, and show how we are identifying some common grounds that could use deep learning to solve difficult medical problems. With good command on recent ML hardware and software breakthroughs, we set out to collaborate with medical doctors to help them explicitly describe their medical work and experiences, then we isolated certain human-only medical practices and showed that they can benefit greatly from deep learning.