tg/-d)=-tgd

tg/-d)=-tgd

tgd= \frac{\sind}{\sqrt_{1-\sin^2\text{t}}} = \frac{\sqrt_{1-\sin^2\text{t}}}{\cosk} = \frac{1}{\dgd}

a= b^2 + c^2 - 2bc and ctg/-d) = -ctg/d

tgd= \frac{\sqrt_{1-\sin^2\text{t}}}{\sqrt_{1-\sin^2\text{t}}} = \frac{1}{\cdot \dgd}

a b - c

The CCAIM Experience:

Leveraging AI for Drug Discovery and Structural Biology

Charlie Harris

PhD Student – CCAIM | Computer Laboratory

Sind = 1/1-cos2 ==

Supervisors: Prof Andres Floto, Prof Pietro Lio, Prof Sir Tom Blundell

a:b:c = sin L: sin B: singh

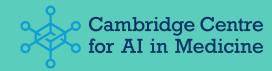




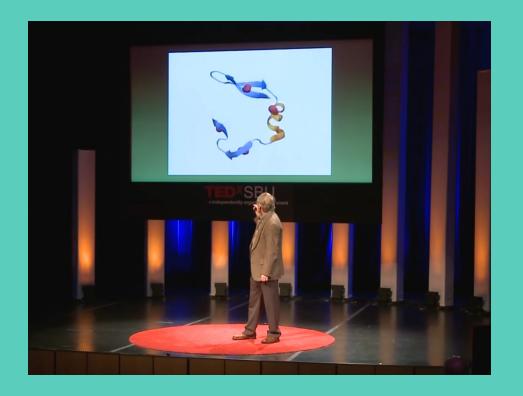
But first...a little me me

BSc Biochemistry - Imperial College London

MSc Bioinformatics and Theoretical Systems Biology – Imperial College London

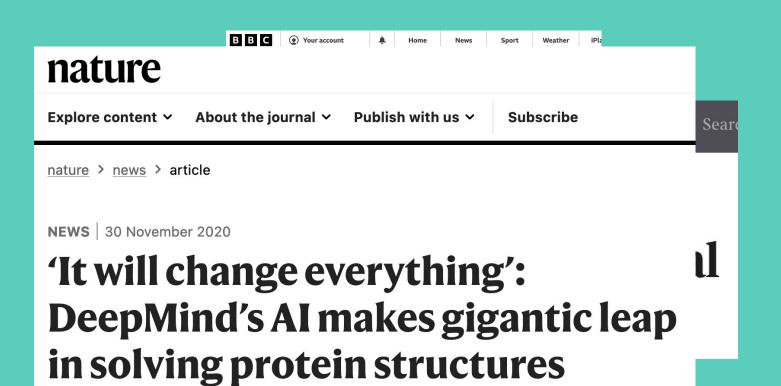


How it all started



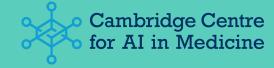
www.youtube.com/watch?v=zm-3kovWpNQ





Google's deep-learning program for determining the 3D shapes of proteins stands to transform biology, say scientists.





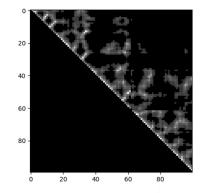
Why CCAIM?

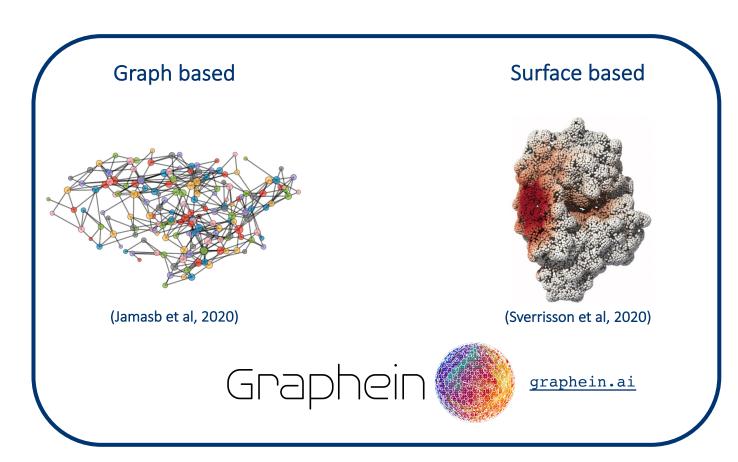
- Focus on interdisciplinary research and supervision
- Access to both computational and experimental laboratories
- Heavy emphasis on collaborations with industry
- Plus: all the usual benefits



Representations of proteins for ML models

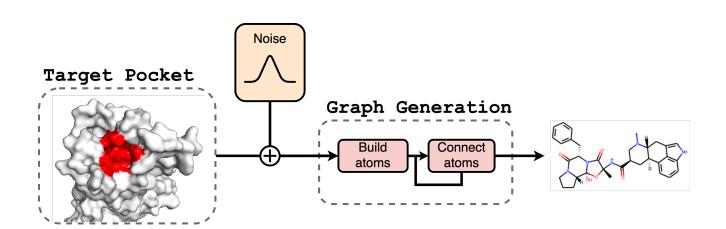
Distance matrix (CNNs)

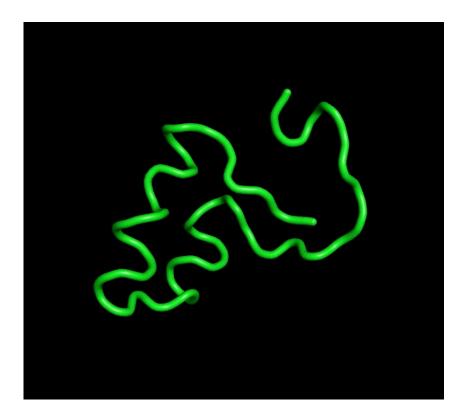






A little sample







$$tg / - d = -tg d$$

$$tg d = \frac{\sin d}{\sqrt{1-\sin^2 t}} = \frac{\sqrt{1-\cos^2 t}}{\cos t} = \frac{1}{dg d}$$

tg L = Sind Thank you!

Feel free to contact me!

cch57@cam.ac.uk | cch1999.github.io

a2 - b2 + c2 - 26c and Ctp (-x) = -ctp L

a:b:c = sin L: sin B: singh





