1994–2015: 21 Years of Achievements

The Wellcome Trust Centre for Human Genetics

The Oxford Protein Production Facility OPPF

WHAT WAS KNOWN

- The human genome and those of many human pathogens had been sequenced providing a large database of protein sequences
- Determination of the three dimensional structures of proteins lagged far behind the acquisition of these new protein sequences
- National initiatives in the USA and Japan were attempting to address this issue through establishing structural genomics programmes

WHAT WE DID

- In 2002, established the Oxford Protein Production Facility as the first structural proteomics project in the UK
- Developed a range of highly specialised technologies incorporating robotic systems to enable the high throughput expression, purification and crystallisation of recombinant proteins

WHAT THIS ADDS

- New technology that has been widely adopted by the UK structural biology community
- The OPPF-UK continues to work in partnership with UK academic groups to study a wide variety of proteins of biomedical, veterinary and food security importance

REFERENCES

