

## Annual Highlights (2015) - UK

2015 has been a true start-up year. Since before our official kick-off on 1<sup>st</sup> July, we have worked hard to establish the foundation for our HYPERMAG center and highlights relate to these activities.

The highlight of the first half year of the center period was moving into newly renovated laboratories and offices in early October, followed by the official opening of HYPERMAG on October 7, 2015. We are extremely grateful to the DNRF for their trust and support. We are also extremely grateful to DTU for their generous co-funding and support in establishing the center.



*Group photo at the center opening on October 7, 2015*

Several new laboratory facilities have been added. A class 2 cell laboratory allows hyperpolarized bio-NMR on bacterial and mammalian cells. The new chemistry laboratory provides efficient work space for sample preparations. With the new electronic laboratory, we can develop cryogenic MRI coils for hyperpolarized spectroscopy as well as advanced electromagnetic structure for hyperpolarization to 300 GHz. A highlight was receiving the 10.1 T magnet for a new polarizer at 282 GHz.



*Hyperpolarization and NMR laboratory showing the 400MHz Agilent NMR at the center and the three polarizers at 94 GHz, 188 GHz and 282 GHz*