

www.aps.anl.gov



FROM HTML TO THE CLOUD, A DRUPAL LOVE STORY

KELLY CUNNINGHAM
Web Specialist

DAVID WALLIS
Principal Computer Engineer



Office of
Science

The Advanced Photon Source is a U.S. Department of Energy (DOE) Office of Science User Facility operated for the DOE Office of Science by Argonne National Laboratory under Contract No. DE-AC02-06CH11357.

ADVANCED PHOTON SOURCE

- The Advanced Photon Source (APS) at the U.S. Department of Energy's Argonne National Laboratory provides ultra-bright, high-energy storage ring-generated x-ray beams for research in almost all scientific disciplines. These x-rays allow scientists to pursue new knowledge about the structure and function of materials in the center of the Earth, in outer space, and all points in between. The knowledge gained from this research is impacting the evolution of combustion engines and microcircuits, aiding in the development of new pharmaceuticals, and pioneering nanotechnologies whose scale is measured in billionths of a meter, to name just a few examples.

researchers
each year

ADVANCED PHOTON SOURCE

- Researchers come to the APS from:
- 50 states plus Puerto Rico and the District of Columbia
- 33 countries
- 150 companies
- 250 universities

NOBEL-PRIZE WINNING RESEARCH AT THE APS

Important discoveries about human physiology and clues to new pharmaceuticals to combat disease

Ada Yonath
Weizmann Institute
of Science, Israel

Thomas Steitz
Yale University, U.S.

**Venkatraman
Ramakrishnan**
MRC Laboratory of
Molecular Biology, U.K.

**2009 Nobel Prize
in Chemistry**
Structure and
function of
the ribosome

**2012 Nobel Prize
in Chemistry**
Studies of
G-protein-coupled
receptors (GPCRs)

Brian K. Kobilka
Stanford University, U.S.

Robert J. Lefkowitz
Duke University, U.S.

AGENDA

Planning

Modules (Contrib/Custom)

Environments

Dry-runs

Launch

Finding/Fixing Errors

Take Aways

PLANNING

Taking the time layout the steps, & finding the steps that were missed

WHAT DO YOU HAVE

Analyze all existing content and features

WHAT DO YOU NEED

Is everything you currently have, needed to be moved?

TIME FRAME

Are you providing yourself enough time for each task.

MODULES



CONTRIB



CUSTOM

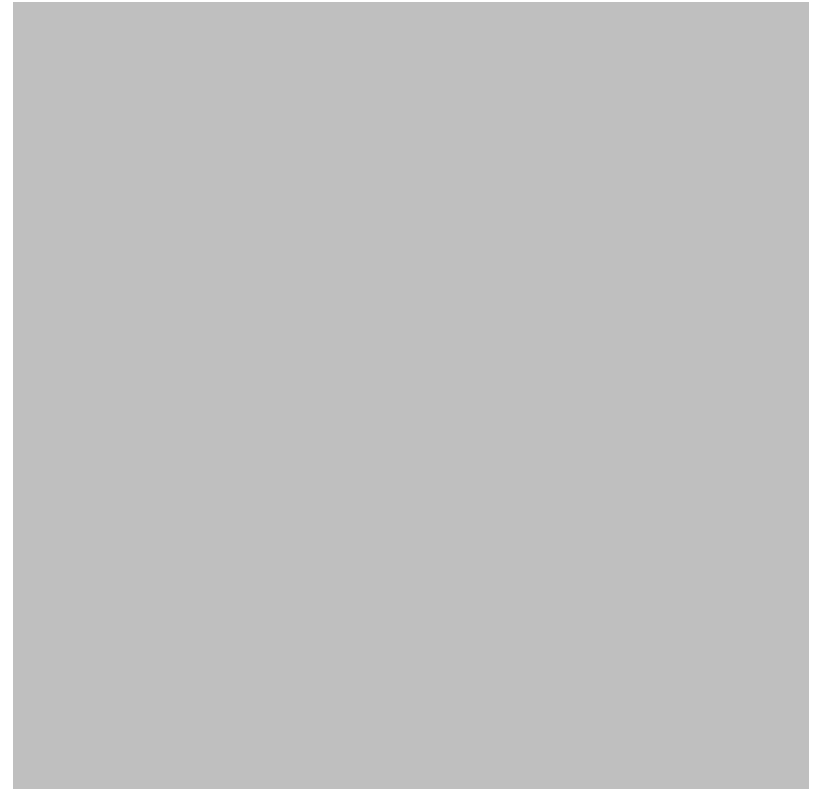


UNKNOWN

ENVIRONMENTS



Dev, Dev2, Stg, Prod



Dev, Dev2, Stg, Prod

DRY-RUNS

- Know the issues before you have a fire to put out
- ...

LAUNCH

- Have you completed enough dry-runs, don't be afraid to launch it.
- ...

**50-100%
increase in
capacity**

over conventional
cathode material

FINDING/FIXING ERRORS

- There may be something that did not go as planned, what are you going to do to fix it.

TAKE AWAYS

- Validate all development work
- QA
- Remain in budget

QUESTIONS?