



Open Access in France : a MoU signed

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INIST-CNRS

& Ministry of Higher Education and Research



History...

- ❑ An existing open archive platform since 2001
- ❑ 2003 : CNRS and Inserm signed the Berlin declaration

- ❑ But no real interest and support for OA from policy makers, researchers and even librarians : raising awareness is a very slow process.
- ❑ Major efforts towards Open archiving
- ❑ Open access publishing : in2p3 in SCOAP3



signature of a Memorandum of Understanding

associating French Higher Education Institutions, through the *Conférence des Présidents d'Universités* and the *Conférence des grandes Ecoles*, and research institutions :

CNRS - Centre National de la Recherche Scientifique

INRA - Institut National de la Recherche Agronomique

**INSERM - Institut National de la Santé et de la
Recherche Médicale**

**INRIA - Institut National de Recherche en Informatique
et en Automatique**

**CEMAGREF - Centre national du Machinisme Agricole,
du Génie Rural, des Eaux et Forêts**

**IRD - Institut de Recherche pour le Développement
Institut PASTEUR**



A major political step

- A national cooperative approach :
signatories represent more than 80% of the researchers
- Ministry of Higher Education and Research acting
as an umbrella organisation
- To develop/maintain a shared platform for open archiving
French research outputs
- steered by a Strategic Committee (COSTRA) and
- a Scientific and Technical Advisory Committee (COST)



A shared platform based on HAL

- Direct Scientific Communication
According with researchers practices
- Direct (Web interface) or indirect depositing (Web services)
- Long term preservation
- Participating to the international repositories network
- Room for institutions visibility
 - Local repositories/HAL connection



Local repositories and HAL

Local repositories

- Scientific publications + internal reports + videos + e-courses + ...
- Combining Open access and restricted access
- Making visible the patrimony of the university
- Participating to regional or thematic federations (virtual universities) based on OAI harvesting

HAL

- Scientific quality control
- Shared nomenclatures
- Connected to international repositories (PubMedCentral, ArXiv)
- Focusing on the publication not on the institution valorisation
- Research process oriented

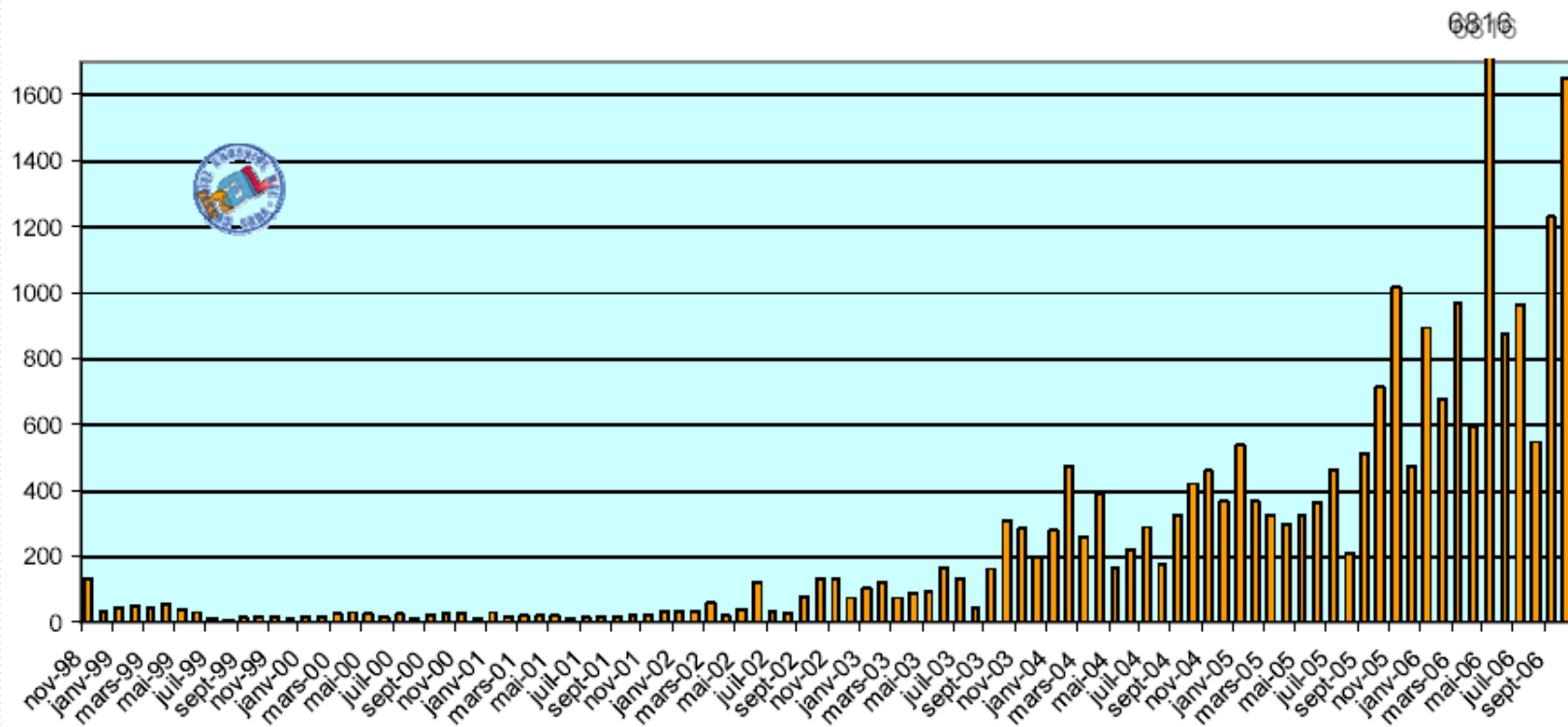


Services offered

- Searching and open access to scientific documents.
- Automatic retrieval of publication lists.
- Customized alerts defined by the research scientists themselves.
- Automatic duplication of documents in other open archives such as ArXiv or PubMed Central.
- Exchangeability and interconnectability with institutions' information systems.
- Creation of interfaces enabling institutions to create their own environments.
- Collections building to select, enhance and retrieve the output of a laboratory, a team, etc.



Full-text deposits in the whole archive





Visibility of research papers

- ❑ Inserm/NCBI cooperation
- ❑ Inserm papers forwarded to PMC if eligible :
 - Pubmed ID and pubdate mandatory
 - Respect of the embargo period
 - Only Full Texts in English



PubMed
Central

Search

Journal List

HAL Archives Ouvertes - France

Author manuscript

Accepted for publication in a peer reviewed journal



Journal List > HAL Author Manuscripts

Abstract

Full Text

PDF (554K)

Related material:

PubMed related arts

GO

PubMed articles by:

Lucas, A.

Kremer, E.

Hemmi, S.

Lazennec, G.

Biochem Biophys Res Commun. Author manuscript; available in PMC 2007 September 6.

Published in final edited form as:

[Biochem Biophys Res Commun. 2003 October; 309\(4\): 1011-1016.](#)

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INSERM Subrepository

Manuscript deposited in HAL

Comparative transductions of breast cancer cells by three DNA viruses

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Abstract

Defining the ideal vectors to transduce breast cancer using viruses is currently under intense pre-clinical evaluation. Our study constitutes the first direct comparison of the infection efficiencies of a human serotype 5 (Ad5), a canine serotype 2 (CAV-2) adenovirus, and a human serotype 2 adeno-associated virus (AAV-2) in breast cancer cells. We observed an excellent infection efficiency for Ad5 vector, whereas both CAV-2 and AAV-2 vectors lead to low infection of these cells. Real-time PCR, flow cytometry and antibody blocking studies suggest that Ad5 and CAV-2 infection ability is not strictly dependent on coxsackie adenovirus receptor (CAR) or α_v integrin levels. In conclusion, our data suggest that human adenoviruses are excellent transducers of breast cancer cells, though it may be difficult to predict the extent of infection solely on CAR or α_v integrin levels.

Keywords: Base Sequence, Breast Neoplasms, genetics, pathology, virology, DNA Primers, DNA Viruses, genetics, physiology, Humans, Transduction, Genetic

Keywords: breast, cancer, adenovirus, adeno-associated virus

Introduction

Breast cancer is one of the leading causes of gynaecological cancer mortality in western countries. Approximately 10% of women will suffer from breast cancer within their life-span (1), where two thirds of tumors are estrogen-receptor (ER) positive. Endocrine therapy contributes significantly to prolonging the disease-free period post-surgery of only 50%.



What's next ?

- Still a lot of do
 - Need a formal political structure
 - Need a multi-institutions technical body
 - Need more resources (dedicated staff)
 - Take into account research data
 - Mandating deposit ?
 - European level connection : Driver project

- But positive signs
 - Trend of the deposit curve
 - Other public research organisations are knocking at the door

Thank you !

