FLENI
Fundación de Lucha contra las Enfermedades Neurológicas de la Infancia
FLENI has two Centre:

- Belgrano Centre
- Escobar Centre
Belgrano Centre, located in Buenos Aires City, has two eleven-story buildings connected by skybridges. These facilities meet top international standards in technology, service and comfort.
Escobar Centre, the FLENI’s Rehabilitation and Education Therapy Center, is the unique rehabilitation healthcare center of its kind in Latin America.
ADNI II

RADIOLOGY DEPARTMENT

- 3 T MRI Hdx GE
- PET/CT Light Speed 690 GE
- Cyclotron PET trace 8 GE
- Radiopharmaceutical Lab GMP
ARGENTINA NEUROCOGNITIVE SECTION

• **Neurologists**
  - Ricardo Allegri
  - Jorge Campos
  - Alejandra Amengual
  - Eliana Roldán

• **Psychiatrists**
  - Griselda Russo
  - Pablo Bagnati
  - Salvador Guinjoan

• **Psychologists**
  - María Eugenia Martín
  - Valeria Grondona
  - Florencia Clarens
  - Lucía Crivelli
  - Elisa Smyth
  - Gabriela Kuzis

• **Speech therapists**
  - Liliana Sabe
  - Cristina Medina
  - Agustina García Cuerva
  - Victoria Uribe
  - Mónica Feldman
**Radiology**

- Dra. Silvia Vazquez
- Lic. Esteban Obenaus, RF
- Bio. German Falasco
- Lic. Leandro Urrutia, Physicist

**Biomarkers/ Pathology**

- Dr. Gustavo Sevlever
- Dr. Horacio Martinetto
- Dr. Ezequiel Surace

**Epidemiology**

- Dr. Deborah Gustafson
Argentina has the greatest percentage of at-risk individuals, those age 65 years and older, in South America.

According to the World Health Organization, ischemic heart disease (12%), cerebrovascular disease (8%), and diabetes mellitus (3%) are of the Top 5 leading causes of death in Argentina.
On February 7, 2011, the Argentine Ministry of Science agreed to complement support of Argentina ADNI and create and support future national Argentine initiatives for AD research.

In addition, the ADNI protocol received Institutional Review Board approval at FLENI on February 10, 2011.
• We propose to establish an Argentine Alzheimer’s Disease Neuroimaging Initiative (ADNI) site in Buenos Aires, to be part of World Wide ADNI (WW ADNI).
We propose to recruit 60 Argentine adults, age 55-90 (inclusive) years, over a three year period. 15 healthy, 30 MCI, 15 AD

This sample will comprise part of the baseline for a larger Argentina ADNI 2 cohort of 300.
We propose the following timeline:

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 MCI</td>
<td>Follow-up</td>
<td>Follow-up</td>
</tr>
<tr>
<td>15 Mild AD</td>
<td>3 convert to dementia</td>
<td>6 convert to dementia from year 1</td>
</tr>
<tr>
<td>15 Normals</td>
<td>from year 1</td>
<td></td>
</tr>
</tbody>
</table>
# Progress to Date

**Argentina ADNI (Arg-ADNI)**

<table>
<thead>
<tr>
<th>ADNI Activity</th>
<th>Progress to Date</th>
<th>Issues</th>
</tr>
</thead>
<tbody>
<tr>
<td>IRB approval</td>
<td>Approved 1/1/2011</td>
<td></td>
</tr>
<tr>
<td>Patient Population</td>
<td>In place</td>
<td>Selection/recruitment of controls</td>
</tr>
<tr>
<td>Neurocognitive Assessments</td>
<td>In place</td>
<td></td>
</tr>
<tr>
<td>Clinical MCI/AD evaluation</td>
<td>In place</td>
<td></td>
</tr>
<tr>
<td>Lumbar puncture</td>
<td>In place</td>
<td>Accomplished on N=26 (pilot of ADNI procedure)</td>
</tr>
<tr>
<td>CSF biomarkers</td>
<td>Kits at FLENI; biomarkers have been measured on N=20 AD cases</td>
<td></td>
</tr>
<tr>
<td>CSF Biomarkers QC</td>
<td>Contacts made for inclusion in QC program</td>
<td></td>
</tr>
<tr>
<td>Blood sampling/biomarkers</td>
<td>In place</td>
<td></td>
</tr>
</tbody>
</table>
## Progress to Date
### Argentina-ADNI (Arg-ADNI)

<table>
<thead>
<tr>
<th>ADNI Activity</th>
<th>Progress to Date</th>
<th>Issues</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phantom</td>
<td>At customs</td>
<td></td>
</tr>
<tr>
<td>Imaging: 3T MRI, PET/CT, Cyclotron (in house)</td>
<td>In place</td>
<td>AV-45 question</td>
</tr>
<tr>
<td>Brain bank</td>
<td>In place</td>
<td></td>
</tr>
<tr>
<td>Site registration</td>
<td>Not done</td>
<td></td>
</tr>
<tr>
<td>Online data submission</td>
<td>Not begun</td>
<td>Discussed today at ADNI mtg.</td>
</tr>
<tr>
<td>Local data analyses</td>
<td>Data base being created</td>
<td></td>
</tr>
<tr>
<td>Ministry of Science</td>
<td>Possibility of funding</td>
<td></td>
</tr>
<tr>
<td>Alzheimer’s Association IIRG</td>
<td>Grant submitted Feb 2011</td>
<td></td>
</tr>
</tbody>
</table>
Brain Bank.

FLENI houses the only brain bank in South America. ADNI participants will be asked to consent brain donation at the time of death.
Brain banking: opportunities, challenges and meaning for the future

Kretzschmar
Nature Reviews Neuroscience 10, 70-78 (January 2009)