

Joining ACGT

- ACGT welcomes any 3rd party
- ACGT has open access policies regarding contribution and or participation
- ACGT has strict security policies since there are some sensitive data
- There a multiple levels of “joining” ACGT

ACGT initiatives

- ACGT Competition
- ACGT Ready certificate

ACGT Competition Goals

- Increase Awareness of ACGT
- Invite submission of ACGT compliant services to increase the critical mass of tools available to end users
- Lure the available talent required to actually implement ACGT services

ACGT Ready Certificate

- Ensure compliance of 3rd party applications with ACGT framework
- Provide end users with an indication of the compliance and compatibility of services with the ACGT infrastructure

ACGT Competition: When?

- The announcement is scheduled for January 2009
- Deadline for submission June 2009
- Results and Award ceremony around October 2009

ACGT Competition: Prizes

- 1st prize: 2000-3000 euro.
- Lots of runner up prizes
- The competition is open to anybody person, company or organization.

ACGT Ready Certificate

- Multiple levels of compliance
 - Simple services
 - Services that require confidential or other sensitive data as input
 - Services that output confidential or other sensitive data
 - Services that should be available only to trusted users
- Other Issues
 - Discoverability
 - Interoperability

Join the ACGT

- As a 3rd party service developer
- As a patient of a clinical trial
- As a medical doctor who wishes to organize a clinical trial
- To simply receive the *ACGT Newsletter*
- As a related project which has synergies with ACGT that you wish to exploit

Join the ACGT

The screenshot shows a Mozilla Firefox browser window displaying the ACGT website. The address bar shows <http://www.eu-acgt.org/>. The website header features the ACGT logo and the tagline "Advancing Clinico Genomic Trials on Cancer". A search bar is present with a "ok" button. A green sidebar menu lists categories: "SELECT A CATEGORY", "ABOUT US", "JOIN US", "LEGAL/ETHICAL ISSUES", "CONTACT", and "INTERNATIONAL COLLAB.". The main content area displays a grid of images with labels: "PATIENTS", "RESEARCHERS", "GENERAL PUBLIC", "MEDICALS PROFESSIONALS", "VENDORS", "PRESS", and "REGULATORY BODIES". A "Member area" link is visible in the top right. The browser's taskbar at the bottom shows the Windows start button, several application icons, and the system clock at 2:16 PM.

- <http://www.eu-acgt.org/>

WEB services

BIOVISTA SA

Overview

- To export some of BEA functions in the form of WEB services
- Usable by a wide range of distributed clients or other WEB services

Exported Functions

- `getBibliography`
- `getCoocurrence`
- `getAvailableTypes`

getBibliography

The screenshot shows a web browser window with the following details:

- Address Bar:** `http://beasite.ath.forthnet.gr:8080/axis2/services/BEAService/getBibliography?name=i16&type=Gene&max_results=10`
- Browser Tabs:** "Main Page - Biovista Wiki" and four instances of "http://beasite.ath.forthnet.gr:8080/axis2/services/BEAService/getBibliography?name=i16&type=Gene&max_results=10".
- Message:** "This XML file does not appear to have any style information associated with it. The document tree is shown below."
- XML Content:**

```
- <getBibliographyResponse>  
  <return>12983366</return>  
  <return>12996466</return>  
  <return>13028293</return>  
  <return>13056638</return>  
  <return>13107530</return>  
  <return>13116841</return>  
  <return>13120878</return>  
  <return>13130665</return>  
  <return>13207379</return>  
  <return>14349578</return>  
</getBibliographyResponse>
```

getCoocurrence

The screenshot shows a web browser window with the following details:

- Address Bar:** `http://beasite.ath.forthnet.gr:8080/axis2/services/BEAService/getCoocurrence?name=il6&type=Gene&dst_type=Gene&max_results=`
- Browser Tabs:** Four tabs are open, all pointing to the same URL as the address bar.
- Message:** "This XML file does not appear to have any style information associated with it. The document tree is shown below."
- XML Content:**

```
- <getCoocurrenceResponse>  
  <return>IL-6</return>  
  <return>TNF</return>  
  <return>TNF-ALPHA</return>  
  <return>IL1B</return>  
  <return>TNFA</return>  
  <return>INTERLEUKIN-1</return>  
  <return>IFNG</return>  
  <return>IL-1BETA</return>  
  <return>IL10</return>  
  <return>IL8</return>  
</getCoocurrenceResponse>
```

getAvailableTypes

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
- <getAvailableTypesResponse>
  <return>MESH Compound</return>
  <return>Alternative Medicines</return>
  <return>Cell</return>
  <return>Pharmacological Terms</return>
  <return>Author</return>
  <return>Tissue</return>
  <return>Chemical</return>
  <return>MedTest</return>
  <return>Infectious Organisms</return>
  <return>Drug</return>
  <return>Pathway</return>
  <return>PTMs</return>
  <return>Company</return>
  <return>Organism</return>
  <return>Disease</return>
  <return>Gene</return>
  <return>Cell Lines</return>
  <return>Product</return>
  <return>Anatomical Location</return>
  <return>Nutritional Supplements</return>
  <return>MESH Heading</return>
  <return>Other</return>
  <return>Adverse Events</return>
  <return>MESH Pathological Procedure, Sign, Symptom</return>
  <return>Assignees</return>
  <return>Investigational Drug</return>
  <return>Experiment</return>
  <return>Fluid</return>
</getAvailableTypesResponse>
```

Future Work – Open Issues

- Security Integration
- Error handling
- Complex (compound) type handling. Is it necessary?
- More Services?