

- Alejandra González-Beltrán: UCL Dept. of Computer Science & UCL Computational and Systems Medicine<sup>1</sup>
- Joint work with Ben Tagger and Anthony Finkelstein
- Collaboration with NCRI Informatics Initiative
- Support **high-level** and **descriptive** queries of **cancer-research data sources**, based on **concepts** from the cancer domain (NCI thesaurus)
- Query rewriting to the target query language: navigation of the structure of the data resources without the user being aware of these structures.
- Our approach, based on ontology reasoning, is general
- The implementation is based on the caGrid infrastructure (caBIG<sup>®</sup> project).
- Main publications: IEEE CBMS 2009, BMC Bioinf 2009, SWAT4LS 2010 (Best paper)

---

<sup>1</sup><http://www.ucl.ac.uk/csm>

- Alejandra González-Beltrán: UCL Dept. of Computer Science & UCL Computational and Systems Medicine<sup>1</sup>
- Joint work with Ben Tagger and Anthony Finkelstein
- Collaboration with NCRI Informatics Initiative
- Support **high-level** and **descriptive** queries of **cancer-research data sources**, based on **concepts** from the cancer domain (NCI thesaurus)
- Query rewriting to the target query language: navigation of the structure of the data resources without the user being aware of these structures.
- Our approach, based on ontology reasoning, is general
- The implementation is based on the caGrid infrastructure (caBIG<sup>®</sup> project).
- Main publications: IEEE CBMS 2009, BMC Bioinf 2009, SWAT4LS 2010 (Best paper)

---

<sup>1</sup><http://www.ucl.ac.uk/csm>

- Alejandra González-Beltrán: UCL Dept. of Computer Science & UCL Computational and Systems Medicine<sup>1</sup>
- Joint work with Ben Tagger and Anthony Finkelstein


- Collaboration with NCRI Informatics Initiative



- Support **high-level** and **descriptive** queries of **cancer-research data sources**, based on **concepts** from the cancer domain (NCI thesaurus)
- Query rewriting to the target query language: navigation of the structure of the data resources without the user being aware of these structures.
- Our approach, based on ontology reasoning, is general
- The implementation is based on the caGrid infrastructure (caBIG<sup>®</sup> project).
- Main publications: IEEE CBMS 2009, BMC Bioinf 2009, SWAT4LS 2010 (Best paper)


---

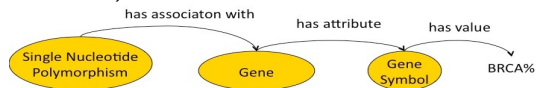
<sup>1</sup><http://www.ucl.ac.uk/csm>

- Alejandra González-Beltrán: UCL Dept. of Computer Science & UCL Computational and Systems Medicine<sup>1</sup>
- Joint work with Ben Tagger and Anthony Finkelstein
- Collaboration with NCRI Informatics Initiative 
- Support **high-level** and **descriptive** queries of **cancer-research data sources**, based on **concepts** from the cancer domain (NCI thesaurus)
- Query rewriting to the target query language: navigation of the structure of the data resources without the user being aware of these structures.
- Our approach, based on ontology reasoning, is general
- The implementation is based on the caGrid infrastructure (caBIG<sup>®</sup> project).
- Main publications: IEEE CBMS 2009, BMC Bioinf 2009, SWAT4LS 2010 (Best paper)

---


<sup>1</sup><http://www.ucl.ac.uk/csm>

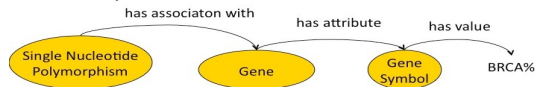
- Alejandra González-Beltrán: UCL Dept. of Computer Science & UCL Computational and Systems Medicine<sup>1</sup>
- Joint work with Ben Tagger and Anthony Finkelstein
- Collaboration with NCRI Informatics Initiative 
- Support **high-level** and **descriptive** queries of **cancer-research data sources**, based on **concepts** from the cancer domain (NCI thesaurus)



- Query rewriting to the target query language: navigation of the structure of the data resources without the user being aware of these structures.
- Our approach, based on ontology reasoning, is general
- The implementation is based on the caGrid infrastructure (caBIG<sup>®</sup> project).
- Main publications: IEEE CBMS 2009, BMC Bioinf 2009, SWAT4LS 2010 (Best paper)


<sup>1</sup><http://www.ucl.ac.uk/csm>

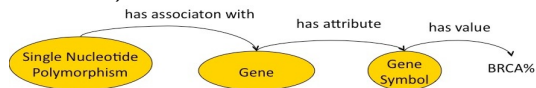
- Alejandra González-Beltrán: UCL Dept. of Computer Science & UCL Computational and Systems Medicine<sup>1</sup>
- Joint work with Ben Tagger and Anthony Finkelstein
- Collaboration with NCRI Informatics Initiative 
- Support **high-level** and **descriptive** queries of **cancer-research data sources**, based on **concepts** from the cancer domain (NCI thesaurus)



- Query rewriting to the target query language: navigation of the structure of the data resources without the user being aware of these structures.
- Our approach, based on ontology reasoning, is general
- The implementation is based on the caGrid infrastructure (caBIG<sup>®</sup> project).
- Main publications: IEEE CBMS 2009, BMC Bioinf 2009, SWAT4LS 2010 (Best paper)


<sup>1</sup><http://www.ucl.ac.uk/csm>

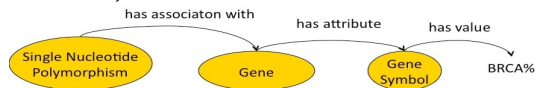
- Alejandra González-Beltrán: UCL Dept. of Computer Science & UCL Computational and Systems Medicine<sup>1</sup>
- Joint work with Ben Tagger and Anthony Finkelstein
- Collaboration with NCRI Informatics Initiative 
- Support **high-level** and **descriptive** queries of **cancer-research data sources**, based on **concepts** from the cancer domain (NCI thesaurus)



- Query rewriting to the target query language: navigation of the structure of the data resources without the user being aware of these structures.
- Our approach, based on ontology reasoning, is general
  - The implementation is based on the caGrid infrastructure (caBIG<sup>®</sup> project).
  - Main publications: IEEE CBMS 2009, BMC Bioinf 2009, SWAT4LS 2010 (Best paper)

<sup>1</sup><http://www.ucl.ac.uk/csm>


- Alejandra González-Beltrán: UCL Dept. of Computer Science & UCL Computational and Systems Medicine<sup>1</sup>
- Joint work with Ben Tagger and Anthony Finkelstein
- Collaboration with NCRI Informatics Initiative 
- Support **high-level** and **descriptive** queries of **cancer-research data sources**, based on **concepts** from the cancer domain (NCI thesaurus)

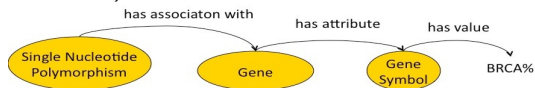


- Query rewriting to the target query language: navigation of the structure of the data resources without the user being aware of these structures.
- Our approach, based on ontology reasoning, is general
- The implementation is based on the caGrid infrastructure (caBIG<sup>®</sup> project).
- Main publications: IEEE CBMS 2009, BMC Bioinf 2009, SWAT4LS 2010 (Best paper)

<sup>1</sup><http://www.ucl.ac.uk/csm>



- Alejandra González-Beltrán: UCL Dept. of Computer Science & UCL Computational and Systems Medicine<sup>1</sup>
- Joint work with Ben Tagger and Anthony Finkelstein
- Collaboration with NCRI Informatics Initiative 
- Support **high-level** and **descriptive** queries of **cancer-research data sources**, based on **concepts** from the cancer domain (NCI thesaurus)



- Query rewriting to the target query language: navigation of the structure of the data resources without the user being aware of these structures.
- Our approach, based on ontology reasoning, is general
- The implementation is based on the caGrid infrastructure (caBIG<sup>®</sup> project).
- Main publications: IEEE CBMS 2009, BMC Bioinf 2009, SWAT4LS 2010 (Best paper)

<sup>1</sup><http://www.ucl.ac.uk/csm>