

# Profiles (Research Networking Software)

## Anatomy of a Profile

1. At the top of each profile, you will see a **Login** link. Clicking this link will allow you to login and edit your profile or the profiles of others if you are a Proxy.

The screenshot shows the top of the UMass Profiles website. On the left is the UMass logo. In the center is the text "UMass Profiles Research Networking Software". On the right is the UMCCTS logo with the text "Sponsored by UMCCTS". Below this is a navigation bar with links for "Home", "About", "Help", and "History (2)". To the right of the navigation bar is a search box labeled "Search Profiles (people, publications, concepts, etc.)". Below the navigation bar is a "Login" link, which is highlighted with a red box. To the right of the "Login" link is the text "to edit your profile (add a photo, awards, links to other websites, etc.)". Below the "Login" link is the profile for "Craig Mello PhD". The profile information includes "Title Distinguished Professor" and "Endowed Blais University Chair in Molecular Medicine Title". To the right of the profile information is a section titled "Mello's Networks" with the text "Click the Explore buttons for more information and interactive visualizations!".

2. The top section of information with Title, Institution and other demographic information is not user editable and comes through a data feed. To have this data edited the Office of Faculty Affairs needs to be contacted at [facultyaffairs@umassmed.edu](mailto:facultyaffairs@umassmed.edu).

The screenshot shows a detailed profile for "Craig Mello PhD". At the top of the profile is a navigation bar with links for "Edit My Profile", "Edit This Profile", "Manage Proxies", "My Person List (28)", and "Logout". Below the navigation bar is the profile information for "Craig Mello PhD". The profile information includes "Title Distinguished Professor", "Endowed Blais University Chair in Molecular Medicine Title", "Institution University of Massachusetts Medical School", "Department RNA Therapeutics Institute", "Address University of Massachusetts Medical School 368 Plantation Street, Suite AS5-2047 Worcester MA 01605", "Phone 508-856-1602", "Email Craig.Mello@umassmed.edu", "ORCID ID Login to create your ORCID ID", and "vCard Download vCard". Below the profile information is a section titled "Other Positions" with the following information: "Institution UMMS - School of Medicine", "Department Program in Molecular Medicine", "Institution UMMS - School of Medicine", "Department RNA Therapeutics Institute", "Institution UMMS - Graduate School of Biomedical Sciences", "Department Bioinformatics and Computational Biology", "Institution UMMS - Graduate School of Biomedical Sciences", "Department Cell Biology", "Institution UMMS - Graduate School of Biomedical Sciences", "Department Interdisciplinary Graduate Program", "Institution UMMS - Programs, Centers and Institutes", "Department Cancer Center". To the right of the profile information is a section titled "Mello's Networks" with the text "Click the Explore buttons for more information and interactive visualizations!". Below this is a section titled "Concepts (259)" with the following information: "Caenorhabditis elegans", "Caenorhabditis elegans Proteins", "RNA, Helminth", "RNA, Small Interfering", "RNA Interference". Below this is a green "Explore" button. Below the "Explore" button is a section titled "Co-Authors (22)" with the following information: "Conte, Darryl", "Shirayama, Masaki", "Weng, Zhiping", "Silverman, Neal", "Lu, Shan". Below this is a green "Explore" button. Below the "Explore" button is a section titled "Similar People (60)" with the following information: "Ambros, Victor", "Zamore, Phillip", "Tissenbaum, Heidi", "Aroian, Raffi", "Shirayama, Masaki". Below this is a green "Explore" button.

3. Education and Training appears next, this data is also maintained by the Office of Faculty Affairs and is fed to profiles nightly. This cannot be user edited.

▢ Biography

▢ education and training

Brown University, Providence, RI, United States  
Harvard University, Cambridge, MA, United States

BS Biochemistry  
PHD Cellular/Developmental Biology

4. Scrolling further you'll come to your Overview, this section is edited / created by the user:

▢ Overview

▢ overview

## Academic Background

Blais University Chair in Molecular Medicine

Dr. Craig C. Mello received his B.Sc. degree in Biochemistry from Brown University in 1982, and received his Ph.D. from Harvard University in 1990. From 1990 to 1994 he conducted postdoctoral research at the Fred Hutchinson Cancer Research Center in Seattle, WA. He has been a member of the University of Massachusetts Medical School faculty since 1995, and a Howard Hughes Medical Investigator since 2000. His pioneering research on RNAi, in collaboration with Dr. Andrew Fire, has been recognized with numerous awards culminating with the prestigious 2006 Nobel Prize in Physiology or Medicine.

## RNA-mediated Gene Regulation

In much the same way that we use short search queries to navigate the World Wide Web, cells use short segments of genetic code to find and regulate matching information. The proteins that mediate these searches are highly conserved in plants and animals and are essential for viability and fertility. Craig Mello is investigating how these search mechanisms work and how organisms use them to regulate, share, and propagate genetic information.

For more information about Dr. Mello's research, please visit his Howard Hughes Medical Institute page at:

<https://www.hhmi.org/research/rna-interference-and-development-c-elegans>



Other information below this section may include:

- a. Summary
  - b. Awards and Honors
  - c. Rotational Projects
  - d. Post Docs
  - e. webpage
  - f. Lab URI
  - g. Media Links
5. A Research section may appear next. This section will show grants and allows the addition of custom funding.
  6. A Featured Content section can appear next which can include Featured Presentations, Featured Videos or Twitter:

webpage

Mello Lab Website

Featured Content

Twitter

Tweets by @UMassChan

UMass Chan Medical School  
@UMassChan

Sharon Cantor, PhD, discovered tumor DNA bombarded w/ chemotherapy is filled w/ holes. When cancers learn to defend against chemo, the holes fill. She explains knowledge that will help treat #breastcancer: [bit.ly/3nLQ7XI](http://bit.ly/3nLQ7XI)  
#CommunicatingScience @CantorLab @UMassChan\_IDR

7. The last section is “Bibliographic > selected publications.” Publications are determined by the Profiles disambiguation engine but can be amended by the user. The following tabs are provided:

Bibliographic

selected publications

Publications listed below are automatically derived from MEDLINE/PubMed and other sources, which might result in incorrect or missing publications. Faculty can [login](#) to make corrections and additions.

Newest | Oldest | Most Cited | Most Discussed | Timeline | Field Summary | Plain Text

PMC Citations indicate the number of times the publication was cited by articles in PubMed Central, and the **Altmetric** score represents citations in news articles and social media. (Note that publications are often cited in additional ways that are not shown here.) **Fields** are based on how the National Library of Medicine (NLM) classifies the publication's journal and might not represent the specific topic of the publication. **Translation** tags are based on the publication type and the MeSH terms NLM assigns to the publication. Some publications (especially newer ones and publications not in PubMed) might not yet be assigned Field or Translation tags.) Click a Field or Translation tag to filter the publications.

1. Makeyeva YV, Shirayama M, Mello CC. Cues from mRNA splicing prevent default Argonaute silencing in *C. elegans*. *Dev Cell*.

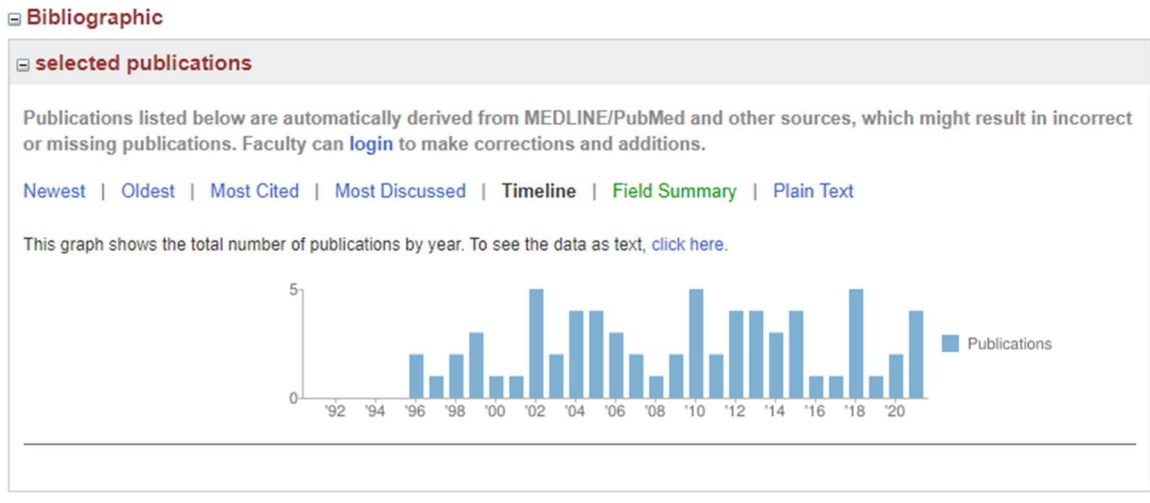
**Newest:** The most recently published.

**Oldest:** The least recently published.

**Most Cited:** Publications most often cited.

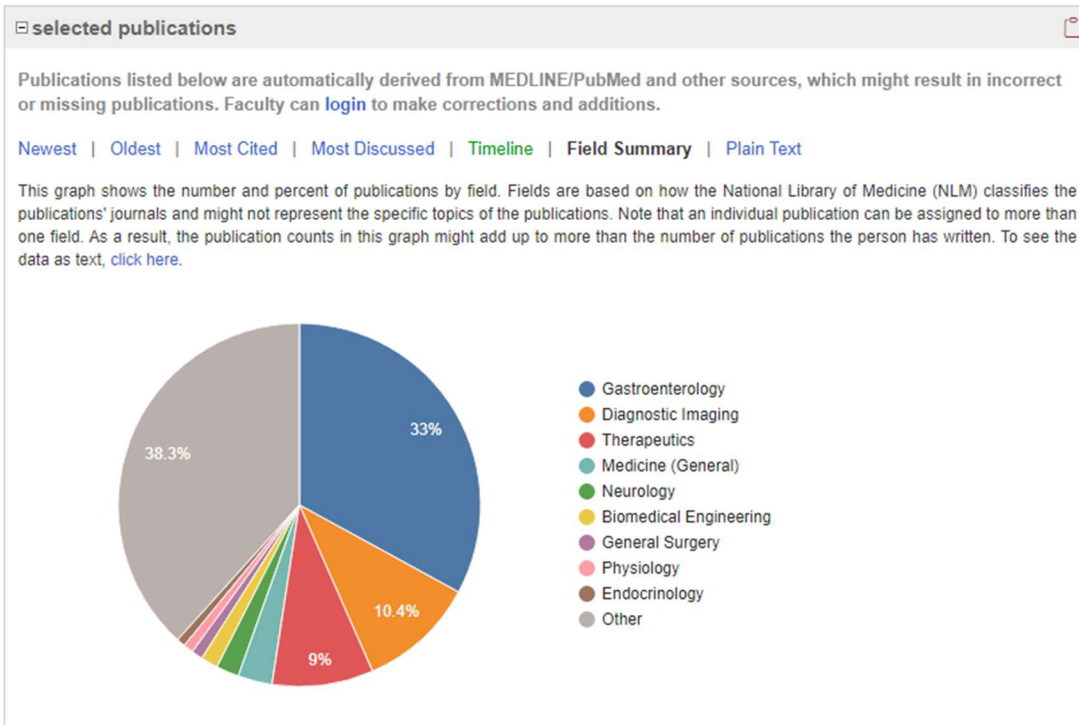
**Most Discussed:** Publications with the most references from other monitored sources (Altmetric)

**Timeline:** Shows a chart of your publication totals by year:



For assistance with using Profiles, please refer to the [online tutorials](#) or contact [UMMS Help Desk](#) or call 508-856-8643.

**Field Summary:** Shows a chart of the publications by field:



**Plain Text:** Shows publications in plain text format. You can select which fields to hide in the results with the checkboxes at the top:



**selected publications**

Publications listed below are automatically derived from MEDLINE/PubMed and other sources, which might result in incorrect or missing publications. Faculty can [login](#) to make corrections and additions.



[Newest](#) | [Oldest](#) | [Most Cited](#) | [Most Discussed](#) | [Timeline](#) | [Field Summary](#) | [Plain Text](#)

Start with:  newest  oldest
 
 Include:  line numbers  double spacing  all authors  publication IDs

1. Makeyeva YV, Shirayama M, Mello CC. Cues from mRNA splicing prevent default Argonaute silencing in *C. elegans*. *Dev Cell*. 2021 Sep 27; 56(18):2636-2648.e4. PMID: 34547227.
2. Ghanta KS, Ishidate T, Mello CC. Microinjection for precision genome editing in *Caenorhabditis elegans*. *STAR Protoc*. 2021 Sep 17; 2(3):100748. PMID: 34505086.

8. On the right nav passive networks are shown. These are built by the Profiles disambiguation engine and are not user editable. Each has an Explore option we will run through below.

## Craig Mello PhD

Title Distinguished Professor  
 Endowed Blais University Chair in Molecular Medicine  
 Title  
 Institution University of Massachusetts Medical School  
 Department RNA Therapeutics Institute  
 Address University of Massachusetts Medical School  
 368 Plantation Street, Suite AS5-2047  
 Worcester MA 01605  
 Phone 508-856-1602  
 Email [Craig.Mello@umassmed.edu](mailto:Craig.Mello@umassmed.edu)  
 ORCID  [Login to create your ORCID iD](#)   
 vCard [Download vCard](#)

### Other Positions

Institution UMMS - School of Medicine  
 Department Program in Molecular Medicine

Institution UMMS - School of Medicine  
 Department RNA Therapeutics Institute

Institution UMMS - Graduate School of Biomedical Sciences  
 Department Bioinformatics and Computational Biology


Institution UMMS - Graduate School of Biomedical Sciences  
 Department Cell Biology

Institution UMMS - Graduate School of Biomedical Sciences  
 Department Interdisciplinary Graduate Program

Institution UMMS - Programs, Centers and Institutes  
 Department Cancer Center

**Mello's Networks**


Click the **Explore** buttons for more information and interactive visualizations!

**Concepts (259)** 

[Caenorhabditis elegans](#)  
[Caenorhabditis elegans Proteins](#)  
[RNA, Helminth](#)  
[RNA, Small Interfering](#)  
[RNA Interference](#)

**Explore**


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**Co-Authors (22)** 

[Conte, Darryl](#)  
[Shirayama, Masaki](#)  
[Weng, Zhiping](#)  
[Silverman, Neal](#)  
[Lu, Shan](#)

**Explore**

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**Similar People (60)** 

[Ambros, Victor](#)  
[Zamore, Phillip](#)  
[Tissenbaum, Heidi](#)  
[Aroian, Raffi](#)  
[Shirayama, Masaki](#)

**Explore**

Explore

Biography

education and training

Brown University, Providence, RI, United States	BS Biochemistry
Harvard University, Cambridge, MA, United States	PHD Cellular/Developmental Biology

Overview

overview

## Academic Background

Blais University Chair in Molecular Medicine

Dr. Craig C. Mello received his B.Sc. degree in Biochemistry from Brown University in 1982, and received his Ph.D. from Harvard University in 1990. From 1990 to 1994 he conducted postdoctoral research at the Fred Hutchinson Cancer Research Center in Seattle, WA. He has been a member of the University of Massachusetts Medical School faculty since 1995, and a Howard Hughes Medical Investigator since 2000. His pioneering research on RNAi, in collaboration with Dr. Andrew Fire, has been recognized with numerous awards culminating with the prestigious 2006 Nobel Prize in Physiology or Medicine.

Same Department ?

Broderick, Jennifer  
Grigorieff, Nikolaus  
Grunwald, David  
Hassler, Matthew  
Wu, Pei-Hsuan

Explore

Physical Neighbors ?

Ennis, Francis  
Harris, Tammy  
McEnaney, Patrick  
Silka, Van  
Zamore, Phillip

**Concepts:** Associated with a researcher's publications.

**Co-Authors:** Researchers who have published publications with you.

**Similar People:** Researchers who have publications with the same keywords as you.

**Same Department:** Researchers in the same department as you.

**Physical Neighbors:** Researchers at the same physical location.

**Note:** Not all your co-authors will be in this Passive Network, only those that are loaded into the UMMS Profiles.

9. **Concepts:** Clicking **Explore** under **Concepts** will bring you to a page where you can drill into details about Concepts derived from publications:

## Mello's Networks

Click the **Explore** buttons for more information and interactive visualizations!

### Concepts (286) ?

Caenorhabditis elegans

Caenorhabditis elegans Proteins

RNA, Small Interfering

RNA, Helminth

Germ Cells

Explore



UMass Profiles  
Research Networking Software



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Home

About

Help

History (0)

Search Profiles (people, publications, concepts, etc.)



Login to edit your profile (add a photo, awards, links to other websites, etc.)

## Craig Mello

Concepts (259)

Concepts are derived automatically from a person's publications.

Cloud

Categories

Timeline

Details

In this concept 'cloud', the sizes of the concepts are based not only on the number of corresponding publications, but also how relevant the concepts are to the overall topics of the publications, how long ago the publications were written, whether the person was the first or senior author, and how many other people have written about the same topic. The largest concepts are those that are most unique to this person.

5' Flanking Region

Adaptor Proteins, Signal Transducing

Humans

Immunohistochemistry

Back to Profile

Mello's Networks

Click the **Explore** buttons for more information and interactive visualizations!

Concepts (259) ?

Caenorhabditis elegans

Caenorhabditis elegans Proteins

RNA, Helminth

RNA, Small Interfering

RNA Interference

- a. **Cloud:** The font size and boldness of a keyword indicates its prominence in your publications. The intensity is determined by the algorithms that consider several factors. For example, Profiles examines each publication date and gives a lower weight to the keywords associated with older publications. It is also at your order in the list of authors.

Cloud

Categories

Timeline

Details

In this concept 'cloud', the sizes of the concepts are based not only on the number of corresponding publications, but also how relevant the concepts are to the overall topics of the publications, how long ago the publications were written, whether the person was the first or senior author, and how many other people have written about the same topic. The largest concepts are those that are most unique to this person.

5' Flanking Region

Adaptor Proteins, Signal Transducing

Adenomatous Polyposis Coli Protein

Adenosine Triphosphatases

Administration, Oral

Alleles

Amino Acid Motifs

Amino Acid Sequences

Humans

Immunohistochemistry

Immunoprecipitation

Indicators and Reagents

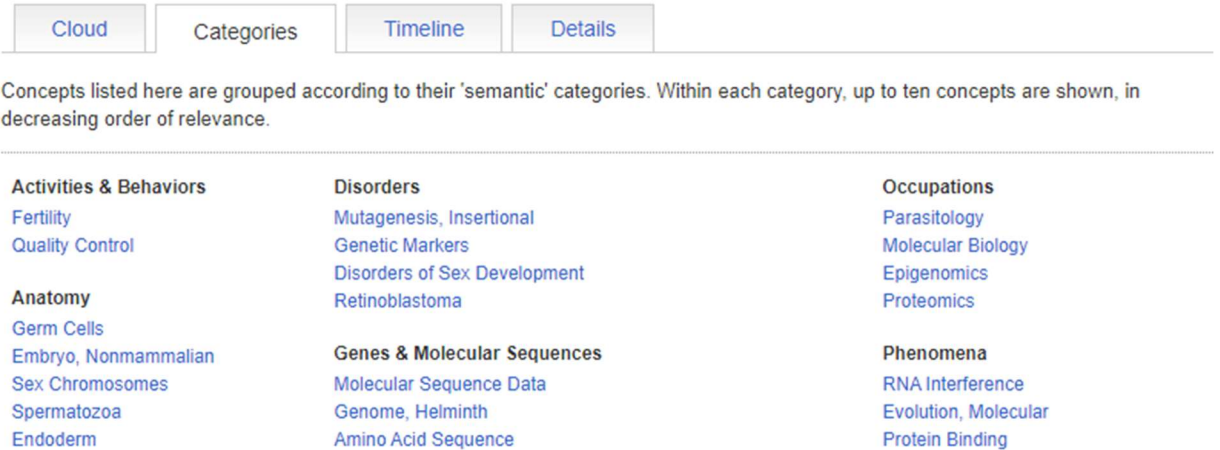
Insect Proteins

Intercellular Signaling Peptides and Proteins

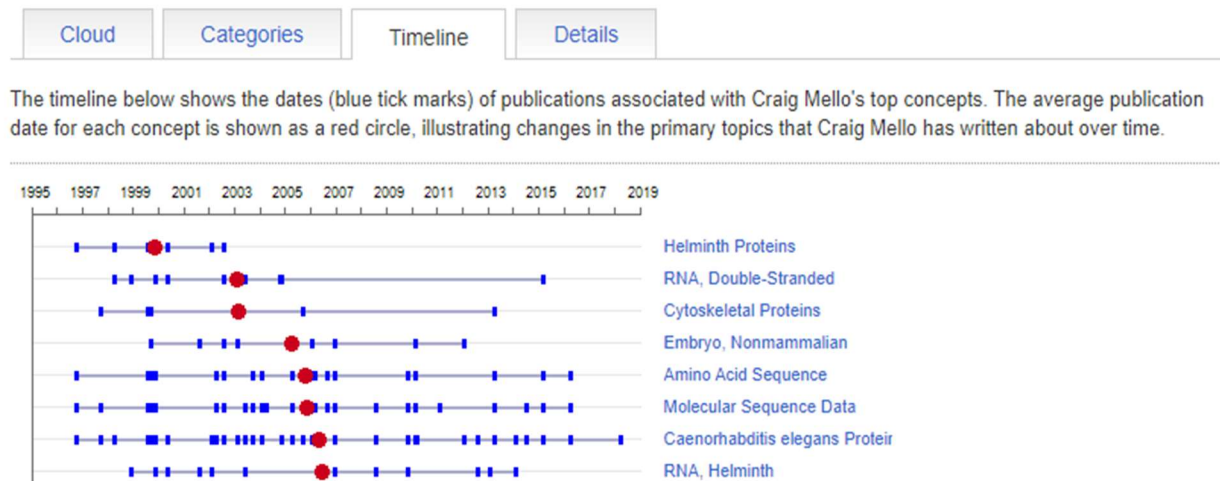
Intracellular Signaling Peptides and Proteins

Lipids

- b. **Categories:** Keywords listed here are grouped according to their semantic categories. Within each category, up to ten keywords are shown in decreasing order of relevance.



- c. **Timeline:** The timeline shows the dates (blue tick marks) of publications associated with users' top concepts. The average publication date for each concept is shown as a red circle illustrating changes in the primary topics that this researcher has written about over time.



- d. **Details:** Concepts are listed by decreasing relevance, which is based on many factors, including how many publications the person wrote about that topic, how long ago those publications were written, and how many publications other people have written on that same topic.



Concepts are listed by decreasing relevance which is based on many factors, including how many publications the person wrote about that topic, how long ago those publications were written, and how many publications other people have written on that same topic.

Name	Number of Publications	Most Recent Publication	Publications by All Authors	Concept Score	Why?
<a href="#">Caenorhabditis elegans</a>	49	2018	380	10.330	<a href="#">Why?</a>
<a href="#">Caenorhabditis elegans Proteins</a>	38	2018	249	8.710	<a href="#">Why?</a>
<a href="#">RNA, Helminth</a>	13	2013	47	4.350	<a href="#">Why?</a>
<a href="#">RNA, Small Interfering</a>	18	2018	567	4.140	<a href="#">Why?</a>

10. **Co-Authors:** Clicking **Explore** under **Co-Authors** will let you drill into co-authors details:

**Co-Authors (22)** ?

[Conte, Darryl](#)  
[Shirayama, Masaki](#)  
[Weng, Zhiping](#)  
[Silverman, Neal](#)  
[Lu, Shan](#)

**Explore**



Login to edit your profile (add a photo, awards, links to other websites, etc.)

**Craig Mello**

Co-Authors (22)

Co-Authors are people in Profiles who have published together.

List Map Radial Cluster Timeline Details

- [Bellve, Karl](#)
- [Conte, Darryl](#)
- [Corvera, Silvia](#)
- [Marshall, William](#)
- [Moore, Melissa](#)
- [Pazour, Gregor](#)

[Back to Profile](#)

Mello's Networks

Click the **Explore** buttons for more information and interactive visualizations!

**Concepts (286)** ?

- [Caenorhabditis elegans](#)
- [Caenorhabditis elegans Proteins](#)

a. **List:** Shows co-authors in a list, you can click on any of these to open their profiles.

### Co-Authors (22)

Co-Authors are people in Profiles who have published together.



- [Bellve, Karl](#)
- [Conte, Darryl](#)
- [Corvera, Silvia](#)
- [Fazio, Thomas](#)
- [Flotte, Terence](#)
- [Fogarty, Kevin](#)
- [Gao, Guangping](#)
- [Garber, Manuel](#)
- [Kucukural, Alper](#)
- [Lambright, David](#)
- [Lu, Shan](#)
- [Marshall, William](#)
- [Moore, Melissa](#)
- [Pazour, Gregory](#)
- [Rando, Oliver](#)
- [Richter, Joel](#)
- [Rogaev, Evgeny](#)
- [Shirayama, Masaki](#)
- [Silverman, Neal](#)
- [Weng, Zhiping](#)
- [Xie, Jun](#)
- [Zamore, Phillip](#)

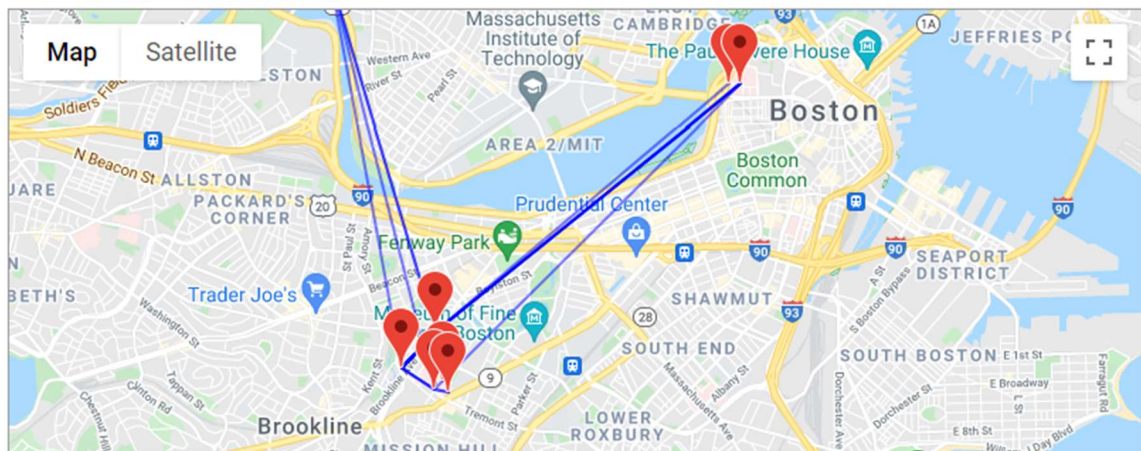
b. **Map:** Indicates co-authors geographic relationship:



**Red markers** indicate the co-authors.

**Blue lines** connect people who have published papers together.

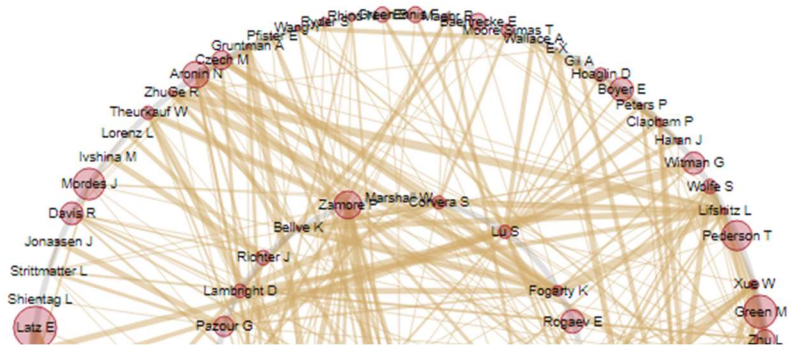
Zoom: [New England](#) | [Boston](#) | [Longwood](#)



c. **Radial:** Radial view of the author and co-author relationships:

[List](#)
[Map](#)
[Radial](#)
[Cluster](#)
[Timeline](#)
[Details](#)

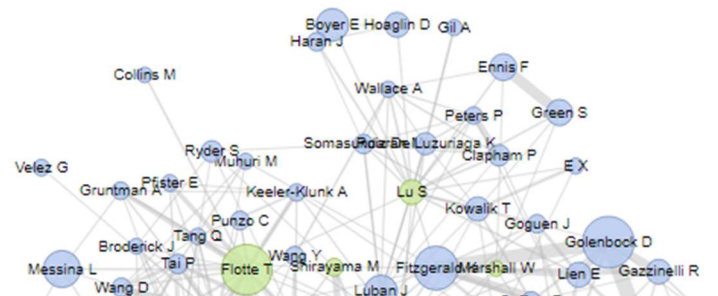
This radial graph shows the co-authors (inner ring) and top co-authors of co-authors (outer ring) of Craig Mello. The size of the red circle around an author's name is proportional to the number of publications that he or she has. The thickness of a line connecting two authors' names is proportional to the number of publications that they share. Options for customizing this network view are listed below the graph.



d. **Cluster:** Cluster shows a visual of how many publications each other has and how many they have in common in cluster view:

[List](#)
[Map](#)
[Radial](#)
[Cluster](#)
[Timeline](#)
[Details](#)

This cluster graph shows the co-authors (green circles) and top co-authors of co-authors (blue circles) of Craig Mello (red circle). The size of a circle is proportional to the number of publications that author has. The thickness of a line connecting two authors' names is proportional to the number of publications that they share. Options for customizing this network view are listed below the graph.



e. **Timeline:** Shows the timeline of publications of the Profile and their co-authors:



- f. **Details:** Co-Authors listed by decreasing relevance which is based on the number of co-publications and the years in which they were written.

[List](#)
[Map](#)
[Radial](#)
[Cluster](#)
[Timeline](#)
[Details](#)

Co-Authors are listed by decreasing relevance which is based on the number of co-publications and the years which they were written.

Name	Most Recent Co-Publication	Number of Co-Publications	Co-Author Score	Why?
Darryl Conte PhD	2021	24	4.050	<a href="#">Why?</a>
Masaki Shirayama PhD	2021	20	3.470	<a href="#">Why?</a>
Zhiping Weng PhD	2018	5	0.780	<a href="#">Why?</a>
Neal Silverman PhD	2017	2	0.330	<a href="#">Why?</a>

11. **Similar People:** Clicking **Explore** under **Similar People** will let you drill into similar people details:

**Similar People (60)** ⓘ

[Ambros, Victor](#)  
[Zamore, Phillip](#)  
[Tissenbaum, Heidi](#)  
[Haynes, Cole](#)  
[Pukkila-Worley, Read](#)

**Explore**



**UMass Profiles**  
Research Networking Software



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[Home](#)
[About](#)
[Help](#)
[History \(0\)](#)

Login to edit your profile (add a photo, awards, links to other websites, etc.)

## Craig Mello

Similar People (60)

Similar people share similar sets of concepts, but are not necessarily co-authors.

[List](#)
[Map](#)
[Details](#)

The people in this list are ordered by decreasing similarity. (\* These people are also co-authors.)

- Ambros, Victor
- Zamore, Phillip\*
- Tissenbaum, Heidi
- Baehrecke, Eric
- Pederson, Thoru
- Saba, Constantino

[Back to Profile](#)

Mello's Networks

Click the **Explore** buttons for more information and interactive visualizations!

**Concepts (286)** ⓘ

- Caenorhabditis elegans
- Caenorhabditis elegans Proteins
- RNA, Small Interfering
- RNA, Helminth



a. **List:** Shows similar people in a list, you can click on any of these to open their profiles.

List    Map    Details

---

The people in this list are ordered by decreasing similarity. (\* These people are also co-authors.)

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- [Ambros, Victor](#)
- [Zamore, Phillip\\*](#)
- [Tissenbaum, Heidi](#)
- [Haynes, Cole](#)
- [Baehrecke, Eric](#)
- [Pederson, Thoru](#)
- [Szabo, Gyongyi](#)
- [Rotello, Vincent](#)

b. **Map:** Shows how co-authors are related geographically and how they are connected:

List    Map    Details

---

**Red markers** indicate the similar people.  
**Blue lines** connect people who have published papers together.

Zoom: [New England](#) | [Boston](#) | [Longwood](#)

Map    Satellite

c. **Details:** Shows the similarities between similar people and the scores. There is also a **why?** link that will bring you to a Connection page which shows why the connections were made:

List    Map    Details

---

Similar people share similar sets of concepts, but are not necessarily co-authors.

---

Name	Also Co-Authors	Similarity Score	Why?
<a href="#">Victor R Ambros PhD</a>		326.3	<a href="#">Why?</a>
<a href="#">Phillip D Zamore PhD</a>	Yes	248.9	<a href="#">Why?</a>
<a href="#">Heidi A Tissenbaum PhD</a>		149.0	<a href="#">Why?</a>
<a href="#">Cole Michael Haynes PhD</a>		136.5	<a href="#">Why?</a>

## Connection

[Back to Details](#)

Similar Person

This is a "connection" page, showing concepts shared by Craig Mello and Victor Ambros.



Concept	Person 1	Person 2	Score
Caenorhabditis elegans	13.274	13.848	183.810
Caenorhabditis elegans Proteins	10.430	8.518	88.846
MicroRNAs	0.541	13.005	7.037
RNA, Helminth	4.288	1.579	6.771
Aronauts Proteins	2.743	1.991	6.456

12. **Same Department:** Clicking **Explore** under **Same Department** will show a list of other people in the same department as the profile you are viewing:

Same Department [?](#)  
[Broderick, Jennifer](#)  
[Conte, Darryl](#)  
[Krieg, Arthur](#)  
[Loveland, Anna](#)  
[Sontheimer, Erik](#)

**Explore**



**UMass Profiles**  
 Research Networking Software



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Home About Help History (0) Search Profiles (people, publications, concepts, etc.)

[Login to edit your profile \(add a photo, awards, links to other websites, etc.\)](#)

**Search Results (49)**

Sort  Show  [More Search Options](#)

Name	Institution
<a href="#">Julia Frances Alterman PhD</a>	University of Massachusetts Medical School
<a href="#">Nadia Amrani PhD</a>	University of Massachusetts Medical School
<a href="#">Raffi Van Aroian PhD</a>	University of Massachusetts Medical School
<a href="#">Neil Aronin MD</a>	University of Massachusetts Medical School
<a href="#">Christina F Raar PhD</a>	University of Massachusetts Medical School

**Search Criteria**  
 University of Massachusetts Medical School  
 RNA Therapeutics Institute

**Search Options**  
[Modify Search](#)  
[Search Other Institutions](#)