

# Instructions for uploading your slides to EasyChair

1. **Log in** to [EasyChair](#) with your credentials.
2. Under "**My Roles**", click on the "**program author**" link for **IEEE CBMS 2025**.
3. In the top menu, go to "**My Talks**".
4. Locate your talk in the list and click the "**View or Edit**" icon (pencil symbol) on the right-hand side.
5. On the talk details page, click on the "**Add slides**" button (top right).
6. Scroll down and click on "**Create slides**".
7. Upload your presentation:
  - **PDF format is mandatory.**
  - Although optional, we kindly ask you to also upload the original source files, especially those in **PowerPoint**.
8. Click **Upload Files** to finalize the upload.

## (Step 2)

### My Recent Roles

To **view all your roles**, click on "All roles".

Your recent EasyChair roles are shown in the table below. Click on a role to access it.

Conference	Role
IEEE CBMS 2025	<a href="#">track chair (Projects and Industry Track)</a>
	<a href="#">CFP manager</a>
	<a href="#">superchair</a>
	<a href="#">program manager</a>
	<a href="#">author</a>
	<a href="#">program author</a>
	<a href="#">track chair (CBMS 2025 Regular Track)</a>
	<a href="#">track chair (Special Track on Network Medicine)</a>

## (Step 4)

My Talks

This page contains a brief information about your talks at IEEE CBMS 2025.  
Click on the "view" column to **view** or **edit** information on a talk.

#	Authors	Title	Presenter	Session	Slides	View or Edit
129	Alejandro Rodríguez-González, Lucía Prieto Santamaría, Belén Otero Carrasco, Andrea Alvarez Perez and David Juste Urraca	DRIVE: A Data-Driven Platform for Disease Visualization and Drug Repurposing	Lucía Prieto Santamaría	13	✓	
138	Delia Aminta Moreno Perdomo, Paloma Tejera Nevado, Lucía Prieto Santamaría, Guillermo Viguera, Antonio Jesus Diaz Honrubia and Alejandro Rodríguez González	Lung-CABO: Lung Cancer Concepts Association Biological Ontology	Antonio Jesús Díaz Honrubia	158		
143	Antonio Gil Hoed, Lucía Prieto-Santamaría and Alejandro Rodríguez-González	Evaluating the Influence of Disease-Gene Associations in the Significance of Disease Modules through the lens of Network Medicine	Antonio Gil Hoed	9A		
158	Andrea Álvarez Pérez, Lucía Prieto Santamaría and Alejandro Rodríguez-González	Decoding cell-type-specific alterations in Alzheimer's disease through scRNA-seq and network analysis	Andrea Álvarez Pérez	7A		
220	Paloma Tejera-Nevado, Nathan Junod, Elizabeth Hyunjin Kwon, Lucía Prieto-Santamaría and Alejandro Rodríguez-González	Benchmarking Docking Tools on Experimental and Artificial Intelligence-Predicted Protein Structures	Paloma Tejera Nevado	7A		
225	Belén Otero-Carrasco, Lucía Prieto-Santamaría and Alejandro Rodríguez-González	Prioritization of Potential Drugs Through Pathway-Based Drug Repurposing and Network Proximity Analysis	Belén Otero-Carrasco	7A		

## (Step 5)

Talk 158

You can **upload slides** of your talk. If you do so, they will be published on the EasyChair Smart Slide pages and linked from the conference program. To upload slides, click on "Add slides" in the upper right corner.

You can **publish a preprint** related to your talk. If you do so, it will be published in EasyChair Preprints and linked from the conference program. To upload and publish a preprint, click on "Publish preprint" in the upper right corner.

To **edit information about the talk** click on the right column of the talk table or use the menu in the upper right corner.

To **edit information about an author** or **delete an author** click on the appropriate cell in the authors table.

Talk

Use of colors: information can be updated, information either cannot be updated or can only be updated by program managers.

Title	Decoding cell-type-specific alterations in Alzheimer's disease through scRNA-seq and network analysis
Authors	Andrea Álvarez Pérez, Lucía Prieto Santamaría and <a href="#">Alejandro Rodríguez-González</a>
Abstract	Alzheimer's Disease (AD) is a neurodegenerative disorder characterized by complex, cell-type-specific molecular alterations. This study integrates single-cell RNA sequencing (scRNA-seq) with network-based methodologies to decode transcriptional changes across major brain cell types in AD. Using scRNA-seq data from 432,555 single cells, we constructed Protein-Protein Interaction (PPI) networks specific to each cell type and assessed the differential expression of genes in diseased conditions. Our findings reveal that glutamatergic neurons and inhibitory interneurons exhibit the highest transcriptional dysregulation, while pericytes and endothelial cells show limited changes. The analysis identified significant enrichment of Differentially Expressed Genes (DEGs) within the AD protein module. Network analysis highlights highly connected proteins such as HSPB1, which is implicated in proteostasis, and CXCR4, which is involved in neuroinflammation. Our results underscore the importance of cell-type-specific approaches in AD research, demonstrating that neurons experience more extensive dysregulation, while vascular-associated cells play key roles in maintaining Blood-Brain Barrier (BBB) integrity. These insights emphasize the necessity of tailored therapeutic strategies addressing the heterogeneous molecular landscape of AD.

## (Step 6)

microglial cells endothelial cells  
 multiple cell types  
 network analysis  
 network medicine  
 Network medicine  
 per cell type  
 ppi network  
 seq data  
 single cell  
 single cell rna sequencing  
 single cell rna sequencing data  
 Single cell RNA-seq  
 transcriptional alterations

Create Slides


## (Steps 7 and 8)

Conferences CFP Preprints Slides News Alerts EasyChair

### Update or Upload Slide Files (Decoding cell-type-specific alterations in Alzheimer's disease through scRNA-seq and network analysis)

Use the form below to upload slides files.

The draft slides have been created!

#### PDF Document

EasyChair creates slides from **PDF documents**.

We will process your PDF document and convert it to a set of slides.

#### Source Files

While your PDF document is sufficient for publishing we would like you if you also **upload the source files** for two reasons:

1. Should PDF be changed or complemented by other formats, we would like to be able to build them from your sources.
2. It can help us data-mine your slides so that other users and services could find relevant slides.
3. We hope to improve our technology and show slides prepared using Microsoft Powerpoint and other formats.

We accept source files in the following formats:

1. For slides prepared **using LaTeX**, please submit the **zip archive** containing the LaTeX source files.
2. For slides stored in **Microsoft Open XML PowerPoint Presentation, OpenDocument Presentation or Apple Keynote Presentation** formats, please submit the source as a **.pptx, .odp or .key document**.

#### File Upload Form

PDF document: \*  Ningún archivo seleccionado  
 Source file:  Ningún archivo seleccionado

Upload Files
