

# FACULTY *of* 1000

# A NEW WAY OF WRITING, DISCOVERING AND SHARING SCIENCE

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**Outreach Director**

June 2015



# F1000

Faculty of 1000

Leading biomedical experts helping scientists to  
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F1000Workspace

NEW!

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F1000Research

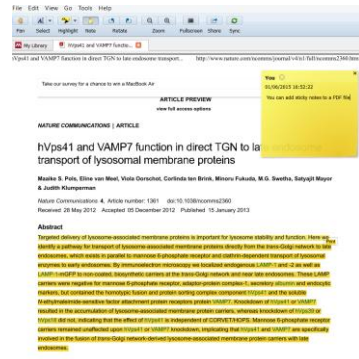
# WHY DO YOU NEED A REFERENCE MANAGER?

- To help you collect literature
- Organize literature by topic
- To insert citations into a document
- To create a bibliography in your document
- To format the bibliography in your document



## References

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# F1000

## Your science workspace

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A	G	5
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# COMPARISON

Feature	F1000Work space	Mendeley	Zotero	Endnote	Refworks	Papers
Add refs from browser	Yes	Yes	Yes	Not effectively	Not effectively	Yes
Article annotations	All platforms	PDF	PDF	PDF	PDF	PDF
Shared references	Yes, unlimited	Yes, limited to 3 users	Yes, unlimited	Yes, limited to 14 users	Only at certain institutes	Yes, unlimited
Automatically adds open-access PDFs to your references	Yes	In development	Only under certain circumstances	No	No	No
Storage	Free, unlimited	Free up to 2GB	Free up to 300MB	300 USD	100 USD per year	79 USD per year
Article recommendations	Yes	No	No	No	No	No
Word plugin finds citations from PubMed	Yes	No	No	No	No	No
Find me a citation	Yes	No	No	No	No	No
Import PDFs directly from browser	Yes	No	No	No	No	No

IMPORT REFERENCES

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PROJECTS

🔒 *private*

▶ Cell Biology project

▶ Ecology course

liver disease

May 7

▶ Neuroscience

PROJECTS

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liver disease

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X-linked diseases

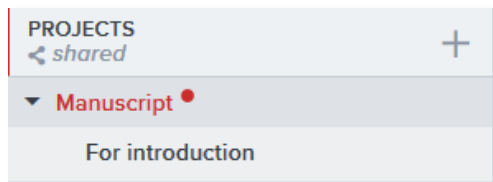
## PROJECTS

- F1000 is based around projects
- Set up a project for your next manuscript, book chapter, thesis, grant application, etc.

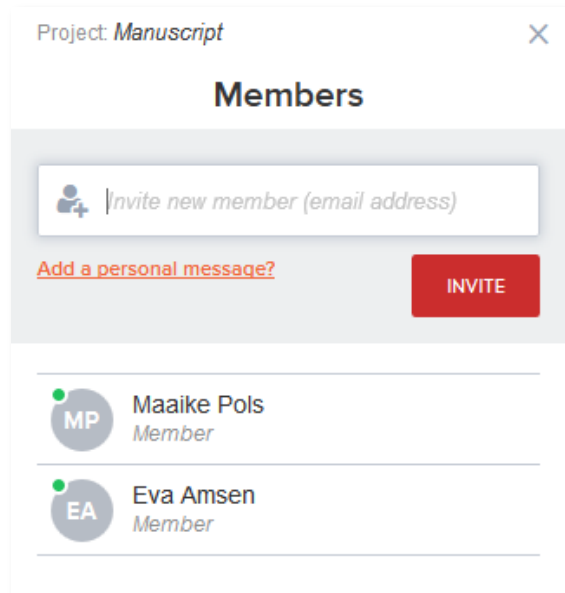


## SHARED PROJECTS

- Invite collaborators
- See new activity on your projects
- Share notes



*Subprojects of shared projects are shared as well*



## ADD REFERENCES VIA F1000 SITE

Import references ✕

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- Add manually



## BROWSER EXTENSION

- Save and annotate research articles while you browse the web.
- Start a new project from the annotator

### Introduction

The creatine (Cr) transporter (CrT, alias CRTR, MGC87396, CT1, SLC6A8, OMIM 300036) deficiency (CCDS1, OMIM #300352) is an X-linked inherited metabolic disorder characterized by cerebral Cr deficiency which results in intellectual disability, language and speech impairment, seizures and movement and behavioral disturbances, and affects about 1% of males with non-syndromic mental disability (van de Kamp *et al.*, 2014). CrT loss of function is mostly caused by missense mutations and small deletions which are concentrated in the transmembrane domains 7 and 8 of the protein (van de Kamp *et al.*, 2014). In physiological conditions, about half of our non-muscle Cr is synthesized *de novo* endogenous synthesis of Cr takes place mainly in the kidney, liver and muscle. In the liver, Cr is synthesized from L-arginine: glycine amidinotransferase (AGAT) and S-adenosyl-L-methionine (SAM) (Wyss & Kaddurah-Daouk, 2000). Cr is a polar hydrophilic molecule which uses a Na<sup>+</sup>- and Cl<sup>-</sup>- dependent plasma membrane CrT to enter the cells (Nash *et al.*, 1994). CrT is widely expressed in the brain tissue with a prominent presence in the cortical and subcortical regions involved in motor and sensory processing, learning and memory, and regulation of emotion-related behavior (Lowe *et al.*, 2014; Mak *et al.*, 2009).



Very interesting finding!

Neuroscience

SAVE

# F1000WORKSPACE PROJECTS

F1000

My references

Firefox extension

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Message us

Help

JW

IMPORT REFERENCES

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PROJECTS private +

Cell Biology project

Ecology course

May 7

Neuroscience

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X-linked diseases

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All references

0 out of 114 selected

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1

1 out of 5

Authors	Year	Title	Full Text	Journal	Date added ^	Notes	Tag
<input type="checkbox"/> Catalanotti F, R...	2009	<b>F</b> A Mek1-Mek2 heterodimer deter...	<a href="#">Full Text</a>	Nat Struct Mol ...	07 May 2015		
<input type="checkbox"/> Yamashita H, K...	2014	<b>F</b> Role of the protein tyrosine phos...	<a href="#">Full Text</a>	PLoS ONE	07 May 2015		
<input type="checkbox"/> Lee SA, Gallag...	2015	<b>F</b> General and condition-specific es...	<a href="#">Full Text</a>	Proc Natl Acad ...	07 May 2015		
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<input type="checkbox"/> Wang Y, Lee Y...	2014	MELK is an oncogenic kinase essenti...	<a href="#">Full Text</a>	elife	05 May 2015		
<input type="checkbox"/> Arum O, Saleh ...	2015	Interaction of <i>growth</i> <i>horm...	<a href="#">Full Text</a>	F1000Res	05 May 2015		
<input type="checkbox"/> Holland B, Won...	2013	Identification of human microRNA-lik...	<a href="#">Full Text</a>	PLoS ONE	05 May 2015		
<input type="checkbox"/> Persaud A, Alb...	2009	Comparison of substrate specificity ...	<a href="#">Full Text</a>	Mol Syst Biol	05 May 2015		
<input type="checkbox"/> Kutschera VE, ...	2014	Bears in a forest of gene trees: Phylo...	<a href="#">Full Text</a>	Mol Biol Evol	05 May 2015		
<input type="checkbox"/> Ammar R, Pato...	2015	Long read nanopore sequencing for ...	<a href="#">Full Text</a>	F1000Res	05 May 2015		

# FACULTY RECOMMENDATIONS

[< BACK](#) Faculty recommended

Added on 27 Jan 2015 by You via [www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov)

## Dopamine-induced $\alpha$ -synuclein oligomers show self- and cross-propagation properties.

Planchard MS, Exley SE, Morgan SE, Rangachari V

SHOW AFFILIATIONS 

Protein Sci. 2014 Jul 16

Abstract

Notes (0)

Related articles

Faculty recommendations

1



**FM** | Vladimir Uversky  
Structural Biology

University of South Florida, Tampa, FL, USA

★☆☆ Good

20 Aug 2014

 Good for teaching  Confirmation  New finding  Interesting hypothesis

DOI: 10.3410/f.718500794.793498874

The authors purified and characterized various low-molecular-weight oligomers produced by incubation of purified recombinant human  $\alpha$ -synuclein (a protein implicated in the pathogenesis of Parkinson's disease [PD]) with dopamine. These dopamine-derived  $\alpha$ -synuclein oligomers (DSOs) are characterized by a wide range of oligomerization degree (ranging from dimers to 13-mers), possess coil-like secondary structure, are able to self-propagate, and are capable of cross-propagation efficiently initiating the formation of the amyloid- $\beta$  ( $A\beta$ ) aggregates involved in Alzheimer's disease (AD). The mechanisms of self- and cross-propagation are very different, since in the self-propagation process, DSOs stay mostly disordered, but noticeable  $\beta$ -sheet structure is formed in the cross-propagation reaction with  $A\beta$ . Based on these observations, the authors hypothesized that DSOs not only are involved in the PD pathogenesis but also may play a role in the appearance of AD-like pathology in PD patients.




FULL TEXT ARTICLE



UPLOAD PDF


SUPPLEMENTARY DATA


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
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PROJECTS

 Neuroscience project  
neurodegenerative diseases

 Manuscript

For introduction

ADD TO PROJECT 

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The following people can see shared notes on this reference.

EA

Eva Amsen

Manuscript, For introduction...

MP

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# ARTICLE RECOMMENDATIONS



## Cell Biology project

REFERENCES **RECOMMENDATIONS** NOTES ACTIVITY

Invite members



1 out of 3 < >

Research we think might be relevant to your project

How it works

### Malaria-associated atypical memory B cells exhibit markedly reduced B cell receptor signaling and effector function.

*Portugal S, Tipton CM, Sohn H, Kone Y, Wang J, Li S, Skinner J, Virtaneva K, Sturdevant DE, Porcella ...*  
eLife. 2015 May 08; 4

SHOW ABSTRACT ▾

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DISMISS

[Full text](#)

### Single fibril growth kinetics of $\alpha$ -synuclein.

*Wördehoff MM, Bannach O, Shaykhalishahi H, Kulawik A, Schiefer S, Willbold D, Hoyer W, Birkmann E*  
J Mol Biol. 2015 Feb 04

SHOW ABSTRACT ▾

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# NOTES

## Neuroscience

REFERENCES RECOMMENDATIONS **NOTES** ACTIVITY

Invite members



### Place cells, grid cells, and the brain's spatial representation system.

Moser et al, 2008

JW

You noted on 8 May 2015 2:12 PM  
note

are part of a broader circuit for dynamic representation of self-location. A key component of this network is the entorhinal grid cells, which, by virtue of their tessellating firing fields, may provide the elements of a path integration-based neural map. Here we review how place cells and grid cells may form the basis for quantitative spatiotemporal representation of places, routes, and associated experiences during behavior and in memory. Because these cell types have some of the most conspicuous behavioral corre

[> COMMENT](#)

### Microstructure of a spatial map in the entorhinal cortex.

Hafting et al, 2005

JW

You noted on 27 Jan 2015 10:42 AM  
Nobel Prize 2014

Its key unit is the 'grid cell'

JW

You commented on 7 May 2015 10:26 AM  
okay

[> COMMENT](#)

# ACTIVITY

## For introduction

Search activity in this project

REFERENCES NOTES **ACTIVITY**



1 out of 2 < >

WEDNESDAY, 28TH JAN



You added reference to the project

**Chronic early-life stress alters developmental and adult neurogenesis and impairs cognitive fu...**  
*Naninck et al., 2014*

4:09 pm

TUESDAY, 27TH JAN



You added reference to the project

**Distinct  $\alpha$ -Synuclein Strains Differentially Promote Tau Inclusions in Neurons.**  
*Guo et al., 2013*

4:57 pm



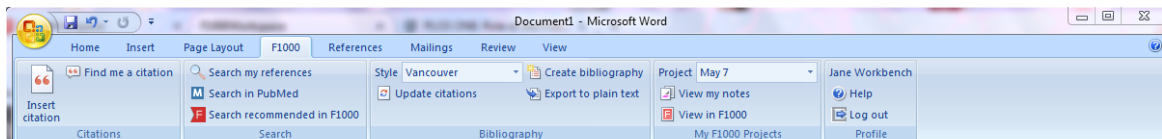
You added reference to the project

**Cerebrospinal Fluid  $\alpha$ -Synuclein and Lewy Body-Like Symptoms in Normal Controls, Mild Cog...**  
*Mackin et al., 2014*

4:57 pm



# WORD PLUGIN



- Search PubMed without leaving Word.
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- 3) Select "Search in PubMed" and search PubMed directly in Word! You can view abstracts, save the reference, or cite it directly. If you SAVE or CITE, the article will instantly be added to the project you have selected for this Word document.(3)
- 4) Search articles that have been recommended in F1000, view the recommendations, save, or cite the article. (4)
- 5) Finally, you can select "Find me a citation". This feature will read your document from the start of the paragraph until your cursor, and search PubMed and F1000Prime for articles related to the text you typed. See the next paragraph and the sidebar.  
The drought in California has affected the citrus industry.(5,6)



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# F1000 TOOLS

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- Browser plugin to annotate and save articles from the web

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- Receive suggested references while you type

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