



EBREMER

ERICH BREMER

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... (Array, 2 elements)

triples (String, 174 characters) ?person foaf:lastName "Goodman"; foaf:firstName...

?person foaf:lastName "Goodman"; foaf:firstName "Steven"; foaf:firstName ?person_field_first_name;
foaf:lastName ?person_field_last_name; vitro:mainImage ?person_field_image.

optionals (Array, 3 elements)

0 (Array, 2 elements)

object (String, 18 characters) person_field_title

statement (String, 47 characters) ?person vivo:preferredTitle ?person_field_title

1 (Array, 2 elements)

object (String, 25 characters) person_field_office_phone

statement (String, 51 characters) ?person vivo:phoneNumber ?person_field_office_p...

?person vivo:phoneNumber ?person_field_office_phone

2 (Array, 2 elements)

object (String, 30 characters) person_field_research_overview

statement (String, 61 characters) ?person vivo:researchOverview ?person_field_res...

?person vivo:researchOverview ?person_field_research_overview

Krumo version 0.2.1a | <http://krumo.sourceforge.net>

Called from /www/ebremer-7.4/sites/all/modules/sparql_views/plugins/sparql_views_plugin_query_sparql.inc, line 257

... (Array, 2 elements)

triples (String, 174 characters) ?person foaf:lastName "Goodman"; foaf:firstName...

?person foaf:lastName "Goodman"; foaf:firstName "Steven"; foaf:firstName ?person_field_first_name;
foaf:lastName ?person_field_last_name; vitro:mainImage ?person_field_image.

optionals (Array, 3 elements)

0 (Array, 2 elements)

object (String, 18 characters) person_field_title

statement (String, 47 characters) ?person vivo:preferredTitle ?person_field_title

1 (Array, 2 elements)

object (String, 25 characters) person_field_office_phone

statement (String, 51 characters) ?person vivo:phoneNumber ?person_field_office_p...

?person vivo:phoneNumber ?person_field_office_phone

2 (Array, 2 elements)

object (String, 30 characters) person_field_research_overview

statement (String, 61 characters) ?person vivo:researchOverview ?person_field_res...

?person vivo:researchOverview ?person_field_research_overview

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Called from /www/ebremer-7.4/sites/all/modules/sparql_views/plugins/sparql_views_plugin_query_sparql.inc, line 257

... (Array, 3 elements)

triples (String, 159 characters) ?person vivo:authorInAuthorship ?person_field_p...

?person vivo:authorInAuthorship ?person_field_publication; foaf:lastName "Goodman"; foaf:firstName "Steven";
vivo:authorInAuthorship ?person_field_publication.

optionals (Array, 0 elements)

relationships (Array, 1 element)

person_field_publication (Array, 2 elements)

optionals (Array, 0 elements)Krumo version 0.2.1a | <http://krumo.sourceforge.net>Called from [/www/ebremer-7.4/sites/all/modules/sparql_views/plugins/sparql_views_plugin_query_sparql.inc](#), line 257

• ... (Array, 2 elements)

triples (String, 171 characters) ?person_field_publication vivo:linkedInformatio...

```
?person_field_publication vivo:linkedInformationResource ?publink_field_linkedinformationresource;
vivo:linkedInformationResource ?publink_field_linkedinformationresource.
```

optionals (Array, 0 elements)Krumo version 0.2.1a | <http://krumo.sourceforge.net>Called from [/www/ebremer-7.4/sites/all/modules/sparql_views/plugins/sparql_views_plugin_query_sparql.inc](#), line 257

• ... (Array, 1 element)

relationships (Array, 1 element)**publink_field_linkedinformationresource** (Array, 2 elements)**triples** (String, 71 characters) ?publink_field_linkedinformationresource bibo:p...

```
?publink_field_linkedinformationresource bibo:pmid ?publink_field_pmid.
```

optionals (Array, 0 elements)Krumo version 0.2.1a | <http://krumo.sourceforge.net>Called from [/www/ebremer-7.4/sites/all/modules/sparql_views/plugins/sparql_views_plugin_query_sparql.inc](#), line 257

• ... (Array, 2 elements)

triples (String, 71 characters) ?publink_field_linkedinformationresource bibo:p...

```
?publink_field_linkedinformationresource bibo:pmid ?publink_field_pmid.
```

optionals (Array, 0 elements)Krumo version 0.2.1a | <http://krumo.sourceforge.net>Called from [/www/ebremer-7.4/sites/all/modules/sparql_views/plugins/sparql_views_plugin_query_sparql.inc](#), line 257

• ... (Array, 3 elements)

triples (String, 159 characters) ?person vivo:authorInAuthorship ?person_field_p...

```
?person vivo:authorInAuthorship ?person_field_publication; foaf:lastName "Goodman"; foaf:firstName "Steven";
vivo:authorInAuthorship ?person_field_publication.
```

optionals (Array, 0 elements)**relationships** (Array, 1 element)**person_field_publication** (Array, 2 elements)**triples** (String, 171 characters) ?person_field_publication vivo:linkedInformatio...

```
?person_field_publication vivo:linkedInformationResource ?publink_field_linkedinformationresource;
vivo:linkedInformationResource ?publink_field_linkedinformationresource.
```

optionals (Array, 0 elements)Krumo version 0.2.1a | <http://krumo.sourceforge.net>Called from [/www/ebremer-7.4/sites/all/modules/sparql_views/plugins/sparql_views_plugin_query_sparql.inc](#), line 257

• ... (Array, 2 elements)

triples (String, 171 characters) ?person_field_publication vivo:linkedInformatio...

```
?person_field_publication vivo:linkedInformationResource ?publink_field_linkedinformationresource;
vivo:linkedInformationResource ?publink_field_linkedinformationresource.
```

optionals (Array, 0 elements)Krumo version 0.2.1a | <http://krumo.sourceforge.net>Called from [/www/ebremer-7.4/sites/all/modules/sparql_views/plugins/sparql_views_plugin_query_sparql.inc](#), line 257

• ... (Array, 1 element)

relationships (Array, 1 element)**publink_field_linkedinformationresource** (Array, 2 elements)**triples** (String, 71 characters) ?publink_field_linkedinformationresource bibo:p...

```
?publink_field_linkedinformationresource bibo:pmid ?publink_field_pmid.
```

optionals (Array, 0 elements)

```
... (Array, 2 elements)

triples (String, 71 characters ) ?publink_field_linkedinformationresource bibo:p...
    ?publink_field_linkedinformationresource bibo:pmid ?publink_field_pmid.

optionals (Array, 0 elements)
```

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Called from /www/ebremer-7.4/sites/all/modules/sparql_views/plugins/sparql_views_plugin_query_sparql.inc, line 257

• page =>

```
... (Array, 12 elements)

#show_messages (Boolean) TRUE
#theme (String, 4 characters ) page
#theme_wrappers (Array, 1 element)
#type (String, 4 characters ) page
menu_bar (Array, 4 elements)
content (Array, 4 elements)
sidebar_first (Array, 6 elements)
footer (Array, 4 elements)
page_top (Array, 4 elements)
#post_render (Array, 1 element)
#contextual_links (Array, 1 element)
#views_contextual_links_info (Array, 1 element)
```

Called from /www/ebremer-7.4/includes/module.inc, line 1022

Krumo version 0.2.1a | <http://krumo.sourceforge.net>

- Notice: Undefined index: triples in sparql_views_plugin_query_sparql->build_graph_pattern() (line 258 of /www/ebremer-7.4/sites/all/modules/sparql_views/plugins/sparql_views_plugin_query_sparql.inc).
- Notice: Undefined index: optionals in sparql_views_plugin_query_sparql->build_graph_pattern() (line 260 of /www/ebremer-7.4/sites/all/modules/sparql_views/plugins/sparql_views_plugin_query_sparql.inc).
- Warning: Invalid argument supplied for foreach() in sparql_views_plugin_query_sparql->build_graph_pattern() (line 260 of /www/ebremer-7.4/sites/all/modules/sparql_views/plugins/sparql_views_plugin_query_sparql.inc).
- Notice: Undefined index: triples in sparql_views_plugin_query_sparql->build_graph_pattern() (line 258 of /www/ebremer-7.4/sites/all/modules/sparql_views/plugins/sparql_views_plugin_query_sparql.inc).
- Notice: Undefined index: optionals in sparql_views_plugin_query_sparql->build_graph_pattern() (line 260 of /www/ebremer-7.4/sites/all/modules/sparql_views/plugins/sparql_views_plugin_query_sparql.inc).
- Warning: Invalid argument supplied for foreach() in sparql_views_plugin_query_sparql->build_graph_pattern() (line 260 of /www/ebremer-7.4/sites/all/modules/sparql_views/plugins/sparql_views_plugin_query_sparql.inc).

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◦ Administration	First Name: Steven
◦ Build a GMap macro	Last Name: Goodman
◦ Import core RDF vocabularies	Title: Dean, College of Graduate Studies; Vice President for Research
◦ Import external RDF vocabulary	Office Phone: 315-464-4515
◦ Node locations	Image: http://reach.suny.edu/individual/n3500
◦ User locations	Research Overview: My laboratory's research credits include the co-discovery of ankyrin; the discovery of nonerythroid spectrin; the demonstration of an essential role for spectrin in synaptic transmission, DNA repair, calcium entry from internal cellular stores; defining the role of spectrin as an E2/E3 ubiquitin conjugating/ligating enzyme; working out the defects in the spectrin membrane skeleton that lead to formation of the irreversibly sickle cell; development of an efficacious drug for treatment of Sickle Cell Disease; the first complete proteomic studies on the human erythrocyte proteome and the seminal studies on changes of this proteome in sickle cell disease. My laboratory has demonstrated the existence of multiple spectrin isoforms; their structure; location; protein interactions; subunit sequences; and functions. Amongst these functions was the demonstration that spectrin in the nucleus serves as a scaffold for damaged DNA and repair enzymes; that the spectrin membrane skeletal protein 4.1 gates an endothelial cell store operated Ca ²⁺ entry channel; and serves as an essential component of synaptic transmission. We have extensively studied the basic protein interactions in the normal erythrocyte membrane skeleton. This led us to discover the spectrin binding protein called ankyrin and the identification of the actin-binding domain of spectrin. We also demonstrated that reversible oxidative damage to actin and diminished ubiquitination of spectrin leads to the irreversibly sickle cell (ISC). We found that antioxidants that raise the reduced glutathione levels within RBCs can block the formation of dense ISCs in vitro and in vivo. A phase 2 human trial with n-acetyl-cysteine demonstrated a large reduction in sickle cell crisis rate with no major side effects. We then demonstrated that spectrin is a chimeric E2/E3 ubiquitin ligase, which can ubiquitinate itself and several other membrane skeletal proteins. Ubiquitination was found to regulate the dissociation of the spectrin-4.1-actin and spectrin-adducin-actin ternary complex, and this enzymatic activity is greatly diminished in sickle cell RBCs due to their altered redox status. My laboratory has performed the first complete studies of the human RBC proteome and changes that occur in sickle cell disease. The proteomic studies led to the discovery of proteasomes in RBCs and the current RBC interactome map. In addition, it has shown that Sickle Cell RBC membranes have an adaptive response to oxidative stress where increased levels of proteins such as chaperonins, heat shock proteins, catalase, and peroxiredoxin are found; while lipid raft proteins are diminished. We are currently launching protein-profiling studies on RBCs, WBCs, and plasma to try to understand the wide variation in crises and clinical outcome for patients with homozygous sickle cell disease.
eBremer	URI: http://reach.suny.edu/individual/Goodman_Steven
◦ eMail	authorInAuthorship: http://reach.suny.edu/individual/gGoodman_Steven_7757495
Who's online	linkedInformationResource: http://reach.suny.edu/individual/a7757495
There is currently 1 user online.	pmid: 7757495
◦ ebremer	URI: http://reach.suny.edu/individual/Goodman_Steven
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authorInAuthorship: http://reach.suny.edu/individual/n1649508419
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pmid: 6588380
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pmid: 3308110
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If you don't like my web site, don't look at it! :-)