

# **CCR Web Content Management Training**

**2017**

# The Basics

- Your Responsibilities
  - Content Areas:
    - Staff & Lab/Branch
  - Login/Logout
  - “My Dashboard”
  - Required Tabs/Pages
  - Optional Tabs/Pages
- Editing content
  - Adding *optional* pages
  - Delete Means **DELETE!**
  - Working with Files
    - Section 508
    - Working with Images
  - Questions?

# Content Manager Responsibilities

- Ensure Web content is current and complete.
- Assist your PIs and other staff in updating their profiles.
- Contact us re: team updates.
  - New Hires
  - Departures
  - Transfers

## Lead Content Managers:

- Organize your team.
- Contact us re: new content managers.
- Train new content managers, as needed.
- Review/update web content periodically.

# Staff Web Profiles: What you can edit/add

## Tom Misteli, Ph.D.



**Senior Investigator**

**Laboratory of Receptor Biology and Gene Expression**

Head, Cell Biology of Genomes Group

Senior Deputy Director for Research, CCR

Tom Misteli is an internationally renowned cell biologist who pioneered the use of imaging approaches to study genomes and gene expression. His laboratory uses cell biological, molecular, biochemical and imaging approaches to uncover fundamental principles of genome architecture and to apply this knowledge to the development of novel diagnostic and therapeutic strategies for cancer and aging.

### Areas of Expertise

1) chromosomes, 2) chromatin, 3) cell nucleus, 4) nuclear architecture, 5) imaging, 6) epigenetics

### CONTACT INFO

Tom Misteli, Ph.D.

Center for Cancer Research

National Cancer Institute

Building 41, Room B610

Bethesda, MD 20892

Ph: 301-402-3959

[mistelit@mail.nih.gov](mailto:mistelit@mail.nih.gov)

Get Vcard

PERMALINK

Research

Publications

Biography

Team

Alumni

Resources

Cell Biology of Genomes

My laboratory studies the cell biology of genomes. We use molecular techniques in conjunction with live-cell microscopy to understand how genomes are organized in intact cells and how the spatial organization of



# Staff Web Profiles: What you cannot edit/add

## Steven A. Rosenberg, M.D., Ph.D.



Chief  
Surgery Branch

Senior Investigator  
Head, Tumor Immunology Section

Dr. Rosenberg pioneered the development of effective immunotherapies and gene therapies for patients with advanced cancers. His studies of the adoptive transfer of genetically modified lymphocytes have resulted in the regression of metastatic cancer in patients with melanoma, sarcomas and lymphomas.

His current research is aimed at defining the host immune response of patients to their cancers. These studies emphasize the ability of human lymphocytes to recognize unique cancer antigens and the identification of anti-tumor T cell receptors that can be exploited to develop new cell transfer immunotherapies for the treatment of cancer patients.

As Chief, Dr. Rosenberg also oversees the Branch's extensive clinical program aimed at translating scientific advances into effective immunotherapies for patients with cancer

### Areas of Expertise

1) cancer immunotherapy 2) tumor-infiltrating lymphocytes 3) cancer antigens 4) T cell receptors 5) metastatic melanoma 6) gene therapy

Clinical Trials

Research

Publications

Biography

Positions

Team

A Prospective Randomized and Phase 2 Trial for Metastatic Melanoma using Cell Transfer Therapy with Tumor Infiltrating Lymphocytes Plus IL-2 either alone or following the

### CONTACT INFO

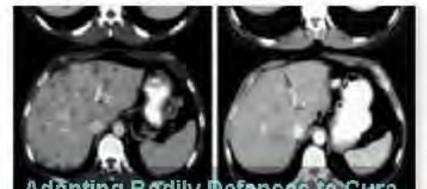
Steven A. Rosenberg, M.D., Ph.D.  
Center for Cancer Research  
National Cancer Institute  
Building 10 - Hatfield CRC, Room  
3-3940

Bethesda, MD 20892-1201

Ph: 301-496-4164

[SAR@nih.gov](mailto:SAR@nih.gov)

[PERMALINK](#)

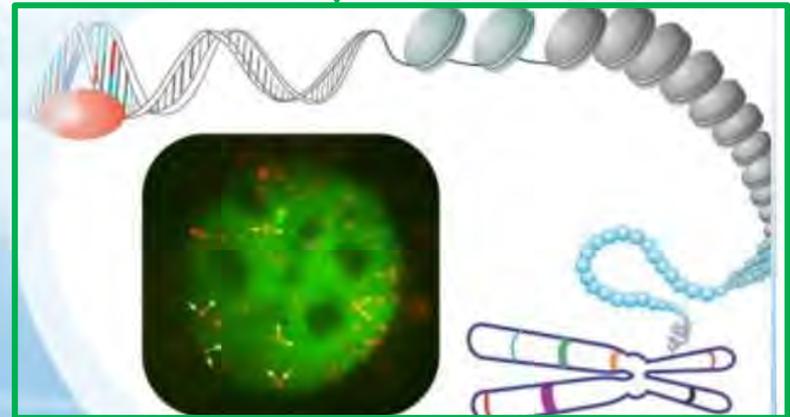


# Labs/Branches: What you can edit/add

Home » Laboratory of Receptor Biology and Gene Expression

## Laboratory of Receptor Biology and Gene Expression

Chief  
Gordon L. Hager, Ph.D.



About

PI & Key Staff

Positions

The research program in the Laboratory of Receptor Biology and Gene Expression concerns the elucidation of mechanisms involved in the regulation of genetic expression in eukaryotic cells, and the identification of genes and regulatory processes involved in modulated states of expression during oncogenesis. Particular consideration is given to the study of the steroid/thyroid/RAR superfamily of nuclear receptors (Hormone Action and Oncogenesis Section [HAO], Signal Transduction Group). A special emphasis is placed on the function of these hormone-dependent regulators in the context of chromatin and higher-order nuclear structure.

The laboratory has made major contributions to the general hypothesis that the modification of chromatin structure is an important component of gene regulation by steroid receptors and other transactivators. The laboratory is expanding into the general area of nuclear structure and gene function. A major recent advance was the development of fluorescent chimeric receptor proteins that allow study of nuclear receptor subcellular trafficking and gene target-

### CONTACT INFO

Laboratory of Receptor Biology and Gene Expression  
Center for Cancer Research  
National Cancer Institute  
Building 41, Room B-602  
Bethesda, MD 20892-5055  
Ph: 301-496-6202

### ADMINISTRATIVE ASSISTANT (CONTR)

Rachael Stitely  
301-402-9655

### ADMINISTRATIVE LAB MANAGER

# Labs/Branches: What you cannot edit/add

Home » Surgery Branch

## Surgery Branch

Chief

Steven A. Rosenberg M.D., Ph.D.

About

Clinical Trials

PI & Key Staff

Positions

The Surgery Branch of the National Cancer Institute is a combined laboratory and clinical research unit devoted to the development of innovative cancer immunotherapies and their translation to the treatment of patients with cancer. Efforts run the gamut from basic studies of cancer immunology to the conduct of clinical immunotherapy trials for patients with metastatic cancer. The Surgery Branch was responsible for the development of interleukin-2 (IL-2), the first effective immunotherapy in humans, the development of cell transfer immunotherapies for melanoma and other solid cancers, the first insertion of foreign genes into humans and the first development of effective human cancer immunotherapies based on the genetic engineering of autologous lymphocytes with genes encoding anti-tumor T cell receptors or chimeric antigen receptors.

Examples of current laboratory research involve the identification of the optimal properties of lymphocytes capable of mediating anti-tumor effects in experimental models and in the human and the development of immunotherapies based on the identification of unique exomic mutations expressed by cancers that can be targeted by cell transfer therapy. Extensive programs are in place for the genetic modification of lymphocytes to target cancer-testes antigens. The Surgery Branch offers postdoctoral fellowships in cancer immunology and immunotherapy. Clinical fellowships are available to surgical residents who have completed at least two years of residency and are interested in a combined program of laboratory and clinical research in immunotherapy.

### CONTACT INFO

Surgery Branch  
Center for Cancer Research  
National Cancer Institute  
Building 10, Room 3-3940  
Bethesda, MD 20892-1201  
Ph: 301-496-4164

### PROGRAM SPECIALIST

[Michelle Gaye](#)  
301-496-4164

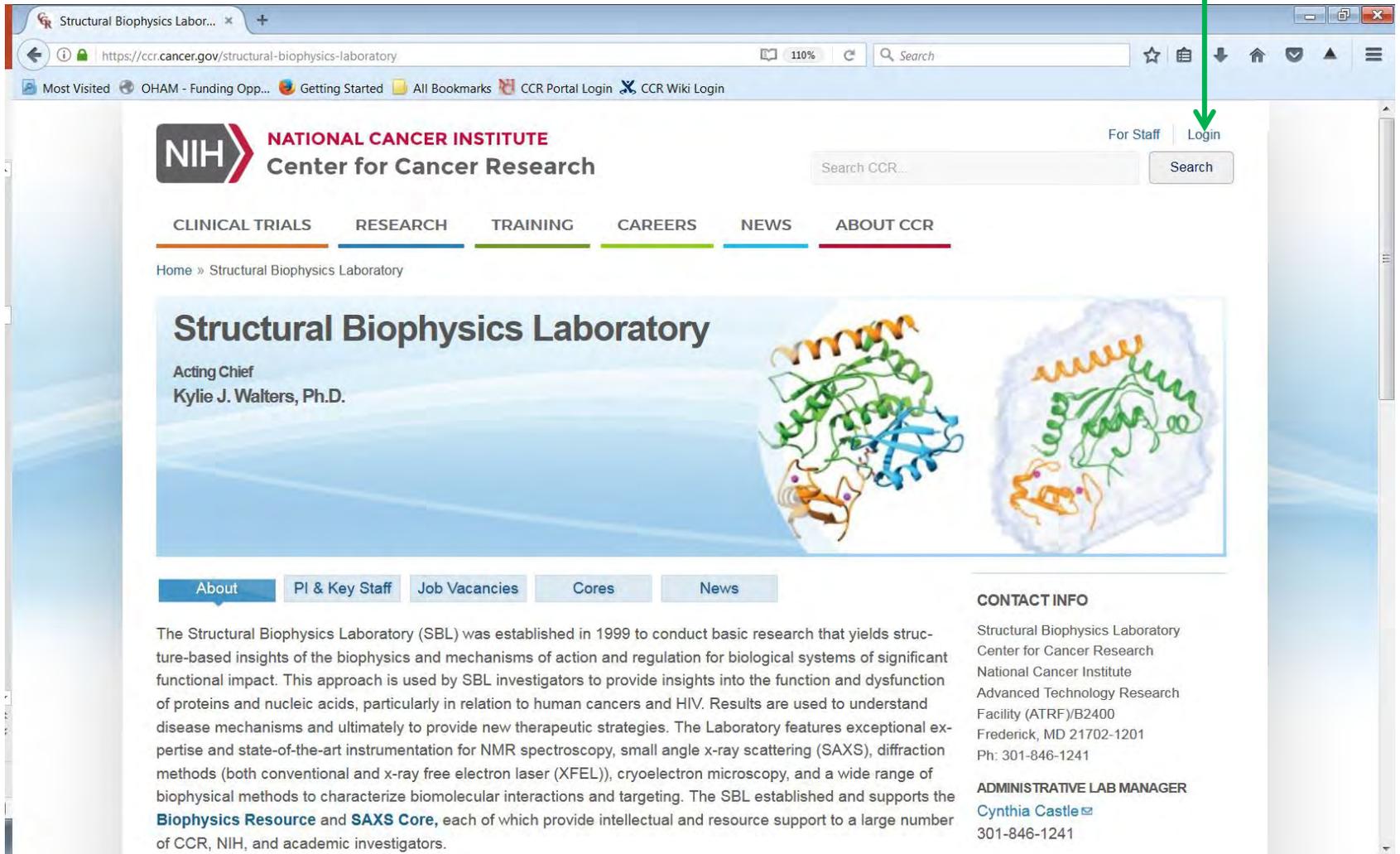
### SECRETARY

[Etta Owens](#)  
301-496-4164

### SECRETARY

[Linda Shell](#)  
301-496-4164

# How to Login



The screenshot shows a web browser window with the URL <https://ccr.cancer.gov/structural-biophysics-laboratory>. The browser's address bar and search bar are visible. The website header includes the NIH logo and the text "NATIONAL CANCER INSTITUTE Center for Cancer Research". A search bar labeled "Search CCR..." is present. A navigation menu contains links for "CLINICAL TRIALS", "RESEARCH", "TRAINING", "CAREERS", "NEWS", and "ABOUT CCR". The main content area features the title "Structural Biophysics Laboratory" and the name of the Acting Chief, "Kylie J. Walters, Ph.D.". Below this, there are two protein structure visualizations. A green arrow points to the "Login" link in the top right corner of the page. The "About" link in the navigation menu is highlighted. The "CONTACT INFO" section provides the laboratory's address and phone number, and the "ADMINISTRATIVE LAB MANAGER" section lists "Cynthia Castle" and her contact information.

Structural Biophysics Labor... x +

https://ccr.cancer.gov/structural-biophysics-laboratory

Most Visited OHAM - Funding Opp... Getting Started All Bookmarks CCR Portal Login CCR Wiki Login

NIH NATIONAL CANCER INSTITUTE  
Center for Cancer Research

For Staff Login

Search CCR... Search

CLINICAL TRIALS RESEARCH TRAINING CAREERS NEWS ABOUT CCR

Home » Structural Biophysics Laboratory

## Structural Biophysics Laboratory

Acting Chief  
Kylie J. Walters, Ph.D.

About PI & Key Staff Job Vacancies Cores News

**CONTACT INFO**

Structural Biophysics Laboratory  
Center for Cancer Research  
National Cancer Institute  
Advanced Technology Research  
Facility (ATRF)/B2400  
Frederick, MD 21702-1201  
Ph: 301-846-1241

**ADMINISTRATIVE LAB MANAGER**  
Cynthia Castle  
301-846-1241

# How to Logout

Always Logout!

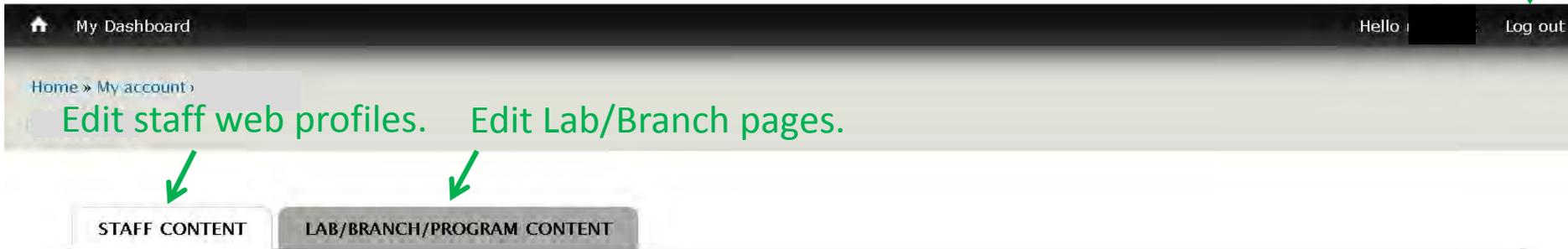


Select Person to Edit

Allan M. Weissman, M.D. ▾

Please choose a name from the drop-down list above then click apply.

# Your Dashboard



Select Person to Edit

Allan M. Weissman, M.D. ▾

Apply

← After selecting name, click "Apply".

Please choose a name from the drop-down list above then click apply.

Select name from the drop-down picklist.

# Staff Web Profiles: Required Pages

- 1. Summary Statement and 6 Areas of Expertise**
- 2. Research**
- 3. 5 Selected Publications**
- 4. Biography**

**This content is required for all:**

- Senior Investigators/Tenure-Track Investigators**
- Assistant Clinical Investigators**
- Senior Clinicians/Senior Scientists**
- Staff Clinicians/Staff Scientists**

# Labs/Branches: Required Pages

- 1. About**
- 2. PI & Key Staff**

# Staff Web Profiles: *Optional Pages*

**If applicable, these other pages may be displayed:**

- Clinical Trials (**iRIS**)
- Team (**Ave/Sue**)
- Positions (**Ave/Sue**)

- Alumni
- Journal Cover Gallery
- Lab Life Gallery
- Links
- News
- Poster Gallery
- Resources
- Science Image Gallery
- Seminars
- Software
- Tools

## Labs/Branches: *Optional Pages*

**If applicable, these other areas may be displayed:**

- Clinical Trials
- Positions

- Alumni
- Cores
- Facilities
- Links
- News
- Resources
- Seminars
- Software
- Tools
- Training Opportunities

# Editing Page Content

My Dashboard Hello [Log out](#)

[Home](#) » [My account](#) »

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**STAFF CONTENT** **LAB/BRANCH/PROGRAM CONTENT**

Select Person to Edit  
Federico Bernal, Ph.D.

**Editable Staff Content for Federico Bernal, Ph.D.**  
Listed below is the content you are able to edit for Federico Bernal, Ph.D.

**ALUMNI**

+ Add Alumni for Federico Bernal, Ph.D.

**BIOGRAPHY**

Edit this Biography: Federico Bernal, Ph.D.

**JOURNAL COVER GALLERY**

+ Add Journal Cover Gallery for Federico Bernal, Ph.D.

# Editing Page Content: An Example

Edit Staff Profile Biography Tab Federico Bernal, Ph.D.

## Biography \*

Format **B** **I**     ← **Toolbar**

Dr. Bernal did his undergraduate training at the Massachusetts Institute of Technology graduating in 1997 with degrees in chemistry and chemical engineering. He obtained his Ph.D. from The Scripps Research Institute in 2002 after performing work on the development of synthetic methodologies for the construction of complex marine natural products in the laboratory of K. C. Nicolaou. Dr. Bernal then returned to Cambridge, MA to undergo postdoctoral training in chemical biology at Harvard University in the group of Gregory L. Verdine. He then continued his foray into cancer chemical biology in the laboratory of Loren D. Walensky at the Dana-Farber Cancer Institute. He established his laboratory in the Metabolism Branch (now the Lymphoid Malignancies Branch) of the Center for Cancer Research at NCI in 2010. His research focus involves the investigation and manipulation of cancer pathogenesis pathways with synthetic molecules.

Make edits here.

Show row weights

## STAFF NAME \*

+ "Federico Bernal, Ph.D. (536)" 

+  

Add another item

Save

← Click "Save" when finished.

# Adding an *Optional* Page

My Dashboard Hello XXXXXXXXXX [Log out](#)

[Home](#) » [My account](#) »

---

**STAFF CONTENT**   **LAB/BRANCH/PROGRAM CONTENT**

Select Person to Edit  
Federico Bernal, Ph.D.

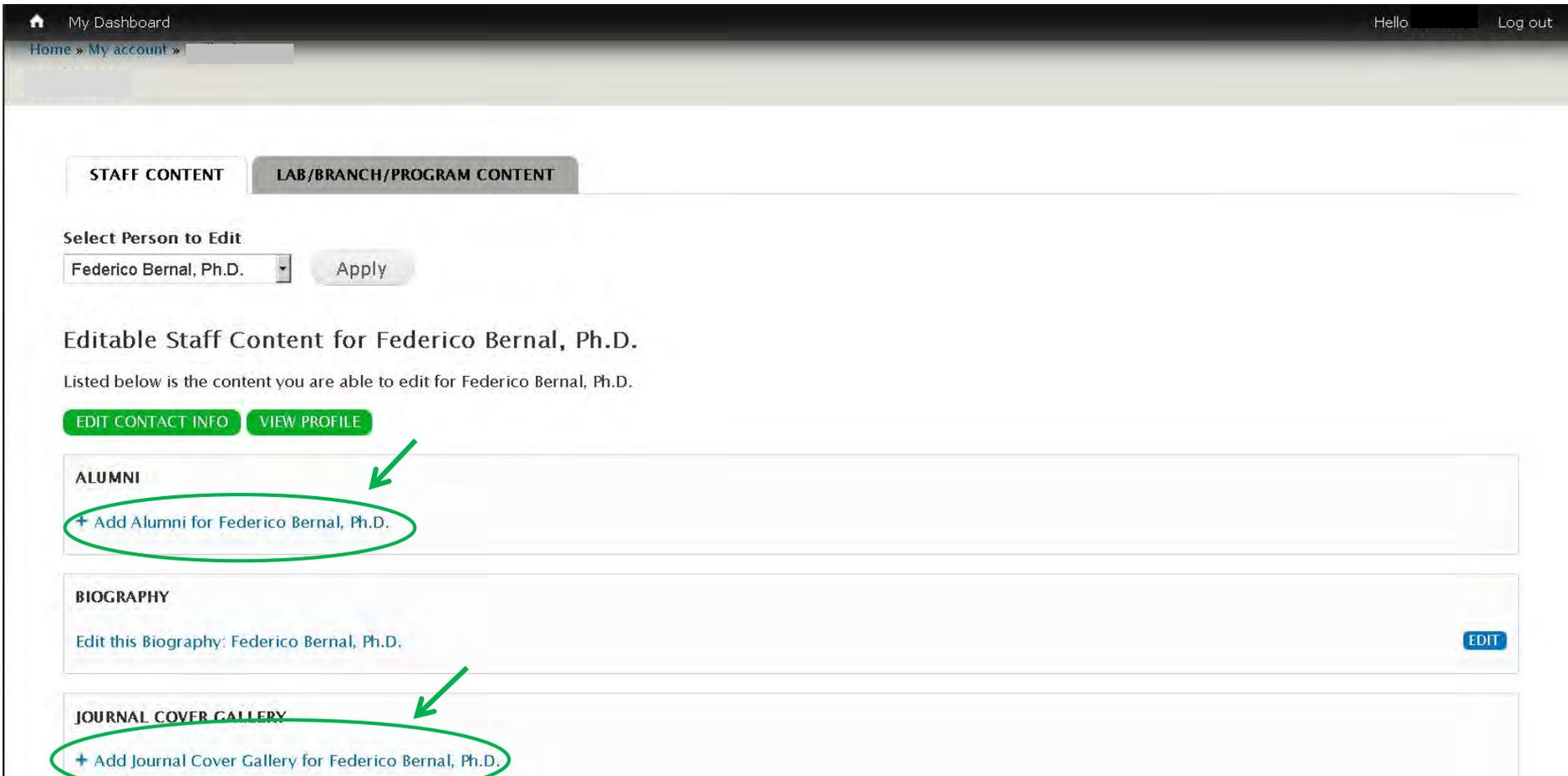
Editable Staff Content for Federico Bernal, Ph.D.  
Listed below is the content you are able to edit for Federico Bernal, Ph.D.

[EDIT CONTACT INFO](#)   [VIEW PROFILE](#)

**ALUMNI**  
[+ Add Alumni for Federico Bernal, Ph.D.](#)

**BIOGRAPHY**  
Edit this Biography: Federico Bernal, Ph.D. [EDIT](#)

**JOURNAL COVER GALLERY**  
[+ Add Journal Cover Gallery for Federico Bernal, Ph.D.](#)



# Adding an *Optional* Page: An Example

Create Staff Profile Links Tab

Show row weights

STAFF NAME

+ "Federico Bernal, Ph.D. (536)"

+

Add another item

Links

Format **B** **I** [List Icons]

Helpful Links

- Test Link No. 1
- Test Link No. 2

body ul li

Save

Use toolbar for formatting text.

Add/format content here.

Click "Save" when finished.

# Delete Means **DELETE!**

Don't click the **Delete** button unless:

- You want to **remove** the entire tab/page.

Example:

- You added a **Lab Life** page for a PI a while ago.
- The PI no longer wants a **Lab Life** page.
- You go back into **Lab Life** and click **Delete**.
- This will delete the **Lab Life page** (i.e., all content)

# Working with Files

## **What are Files?**

- Word
- PDF
- Excel
- PowerPoint
- Images
- Videos

# All Files Must Be 508 Compliant Before Posting

*Section 508 requires that all website content be accessible to people with disabilities. This applies to:*

- Web applications
- Web pages
- All attached **files** on the internet, as well as the intranet.

# Checking and Remediating Files

There is a 508 review service for files:

- Send the file to the 508 review team:  
[css508@mail.nih.gov](mailto:css508@mail.nih.gov)
- The 508 review team will check it.
- After review, you will receive an e-mail report from the team listing all the issues and “how to” fix them.

# Checking and Remediating Files (Cont'd)

- **Word 2016**
  - File → Info → Check for Issues → Check Accessibility
- **Excel 2016**
  - File → Info → Check for Issues → Check Accessibility
- **PowerPoint 2016**
  - File → Info → Check for Issues → Check Accessibility
  - PowerPoints can be difficult to remediate.
  - “Save as” a PDF and send file to the review team for a final check.
- **PDFs**
  - Send file to the review team: [css508@mail.nih.gov](mailto:css508@mail.nih.gov)

# Posting a 508-Compliant File

STAFF NAME

+

Add another item

2) Select the link tool.

Links

Normal B I

Link to a PDF File

1) Type and select the text that will become a link to a PDF file.

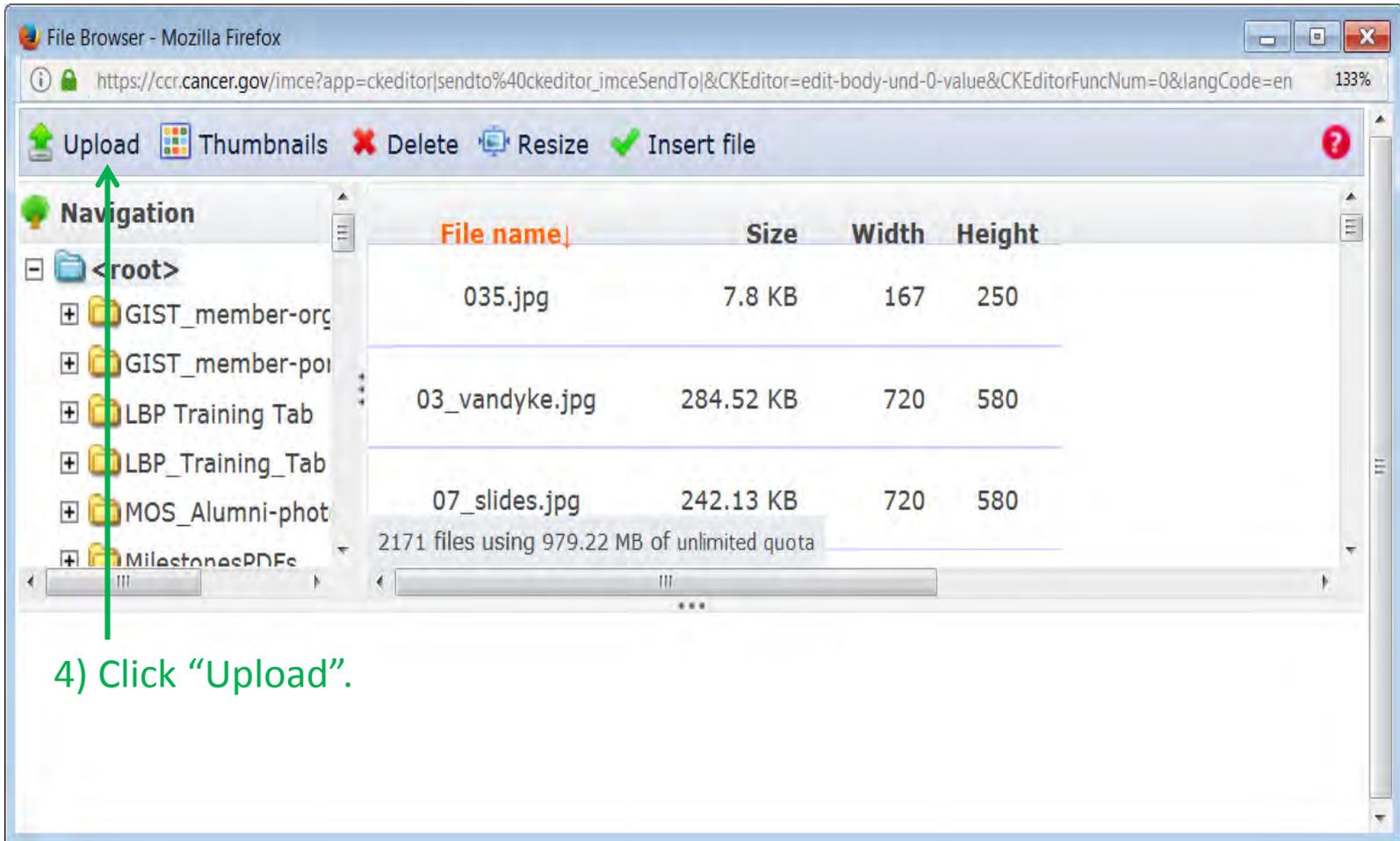
The screenshot shows a web browser window with the URL <https://ccr.cancer.gov/node/add/staff-profile-links-tab>. The page title is "Create Staff Profile Links Tab". The breadcrumb trail is "Home » Add content » Staff Profile Links Tab". The page content includes a "STAFF NAME" field with a plus sign icon and an "Add another item" button. Below this is a "Links" field with a toolbar containing icons for "Normal", "B", "I", and a link icon. The text "Link to a PDF File" is entered in the "Links" field. A green arrow points from the text "2) Select the link tool." to the link icon in the toolbar. Another green arrow points from the text "1) Type and select the text that will become a link to a PDF file." to the text "Link to a PDF File".

# Posting a 508-Compliant File (Cont'd)

The screenshot shows a web browser window with the URL <https://ccr.cancer.gov/node/add/staff-profile-links-tab>. The page title is "Create Staff Profile Links Tab". A modal dialog box titled "Link" is open, with the "Link Info" tab selected. The "Link Type" is set to "URL", the "Protocol" is "http://", and the "URL" field is empty. A green arrow points to the "Browse Server" button. Below the dialog box, the text "3) Click 'Browse Server'." is written in green.

3) Click "Browse Server".

# Posting a 508-Compliant File (Cont'd)



The screenshot shows a Mozilla Firefox browser window titled "File Browser - Mozilla Firefox". The address bar contains the URL: [https://ccr.cancer.gov/imce?app=ckeditor|sendto%40ckeditor\\_imceSendTo|&CKEditor=edit-body-und-0-value&CKEditorFuncNum=0&langCode=en](https://ccr.cancer.gov/imce?app=ckeditor|sendto%40ckeditor_imceSendTo|&CKEditor=edit-body-und-0-value&CKEditorFuncNum=0&langCode=en). The page features a toolbar with buttons for "Upload", "Thumbnails", "Delete", "Resize", and "Insert file". A green arrow points to the "Upload" button. Below the toolbar is a "Navigation" sidebar with a tree view showing folders like "GIST\_member-org", "GIST\_member-poi", "LBP Training Tab", "LBP\_Training\_Tab", "MOS\_Alumni-phot", and "MilestonesPDFs". The main content area displays a table of files with columns for "File name", "Size", "Width", and "Height".

| File name      | Size      | Width | Height |
|----------------|-----------|-------|--------|
| 035.jpg        | 7.8 KB    | 167   | 250    |
| 03_vandyke.jpg | 284.52 KB | 720   | 580    |
| 07_slides.jpg  | 242.13 KB | 720   | 580    |

2171 files using 979.22 MB of unlimited quota

4) Click "Upload".

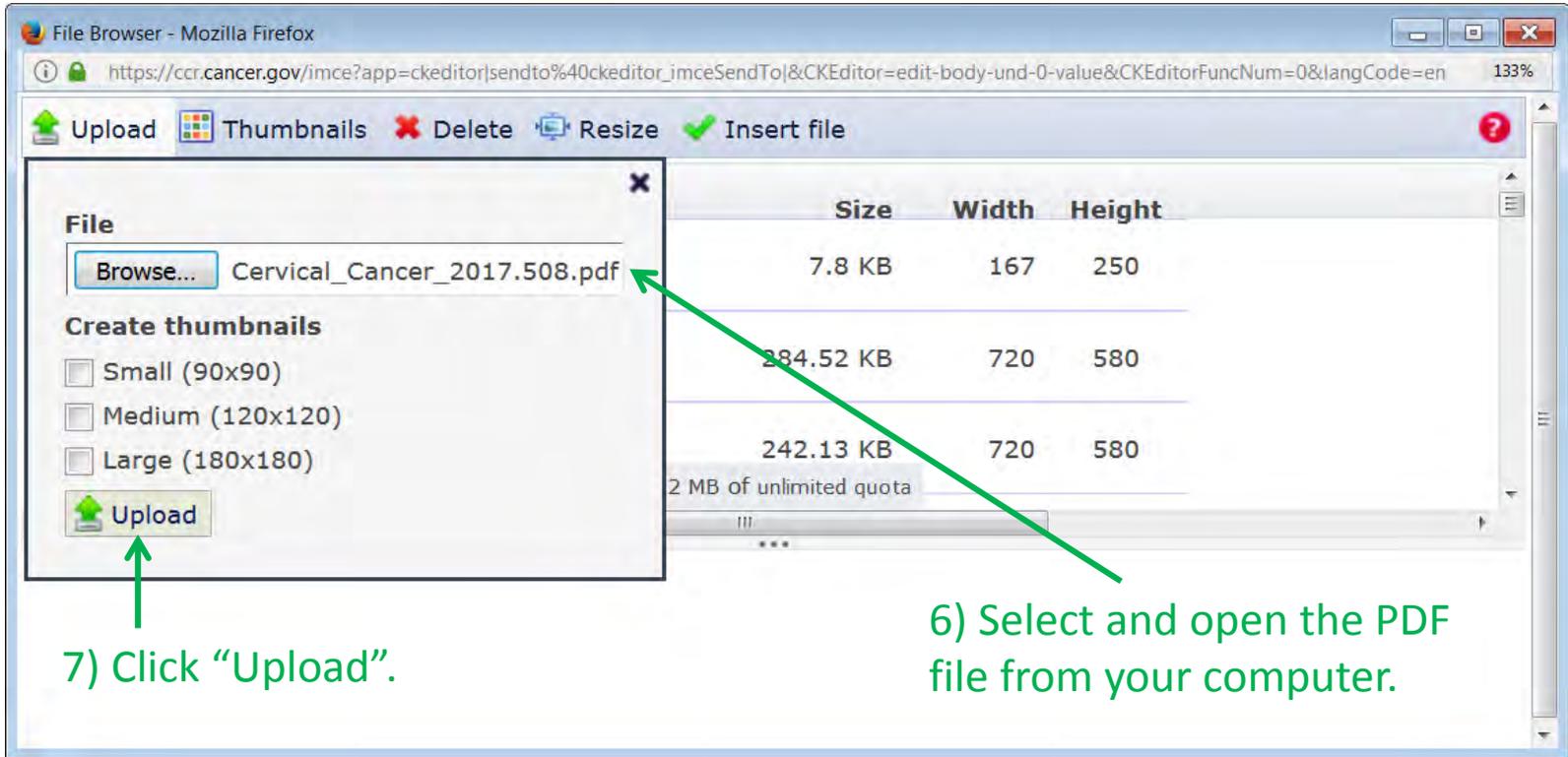
# Posting a 508-Compliant File (Cont'd)

The screenshot shows a web browser window with a file upload dialog box open. The dialog box has a 'Browse...' button highlighted with a green arrow. Below the dialog box, the text '5) Click "Browse".' is written in green. The background shows a table with columns for File, Size, Width, and Height.

| File     | Size      | Width | Height |
|----------|-----------|-------|--------|
| ame.jpg  | 7.8 KB    | 167   | 250    |
| lyke.jpg | 284.52 KB | 720   | 580    |
| les.jpg  | 242.13 KB | 720   | 580    |

5) Click "Browse".

# Posting a 508-Compliant File (Cont'd)



The screenshot shows a Mozilla Firefox browser window titled "File Browser - Mozilla Firefox". The address bar contains the URL: [https://ccr.cancer.gov/imce?app=ckeditor|sendto%40ckeditor\\_imceSendTo|&CKEditor=edit-body-und-0-value&CKEditorFuncNum=0&langCode=en](https://ccr.cancer.gov/imce?app=ckeditor|sendto%40ckeditor_imceSendTo|&CKEditor=edit-body-und-0-value&CKEditorFuncNum=0&langCode=en). The browser interface includes a toolbar with "Upload", "Thumbnails", "Delete", "Resize", and "Insert file" buttons. A file upload dialog is open, showing a "File" field with a "Browse..." button and the filename "Cervical\_Cancer\_2017.508.pdf". Below the file field, there are options to "Create thumbnails" with checkboxes for "Small (90x90)", "Medium (120x120)", and "Large (180x180)". An "Upload" button is at the bottom of the dialog. A table in the background lists uploaded files with columns for "Size", "Width", and "Height".

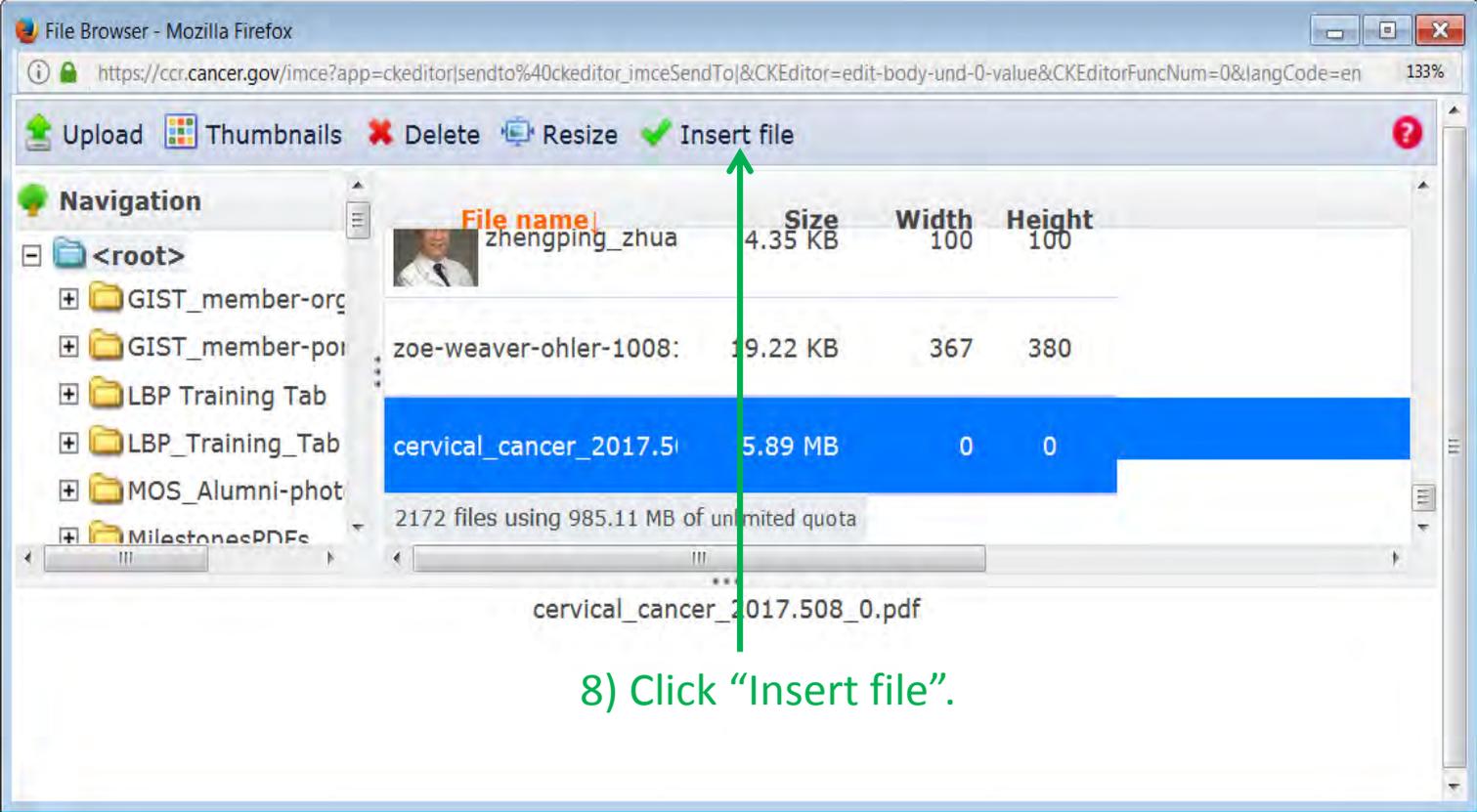
| Size      | Width | Height |
|-----------|-------|--------|
| 7.8 KB    | 167   | 250    |
| 284.52 KB | 720   | 580    |
| 242.13 KB | 720   | 580    |

2 MB of unlimited quota

7) Click "Upload".

6) Select and open the PDF file from your computer.

# Posting a 508-Compliant File (Cont'd)



The screenshot shows a Mozilla Firefox browser window titled "File Browser - Mozilla Firefox". The address bar displays the URL: <https://ccr.cancer.gov/imce?app=ckeditor|sendto%40ckeditor|imceSendTo|&CKEditor=edit-body-und-0-value&CKEditorFuncNum=0&langCode=en>. The browser interface includes a toolbar with buttons for "Upload", "Thumbnails", "Delete", "Resize", and "Insert file". A "Navigation" sidebar on the left shows a directory tree with folders like "GIST\_member-org", "GIST\_member-poi", "LBP Training Tab", "LBP\_Training\_Tab", "MOS\_Alumni-phot", and "MilestonesPDFs". The main content area displays a table of files:

| File name  | Size     | Width | Height |
|--|----------|-------|--------|
|  zhengping_zhua | 4.35 KB  | 100   | 100    |
| zoe-weaver-ohler-1008:   | 19.22 KB | 367   | 380    |
| cervical_cancer_2017.51  | 5.89 MB  | 0     | 0      |

Below the table, it indicates "2172 files using 985.11 MB of unlimited quota". The file "cervical\_cancer\_2017.508\_0.pdf" is visible in the lower part of the browser window. A green arrow points from the text "8) Click 'Insert file'." below the screenshot to the "Insert file" button in the toolbar.

8) Click "Insert file".

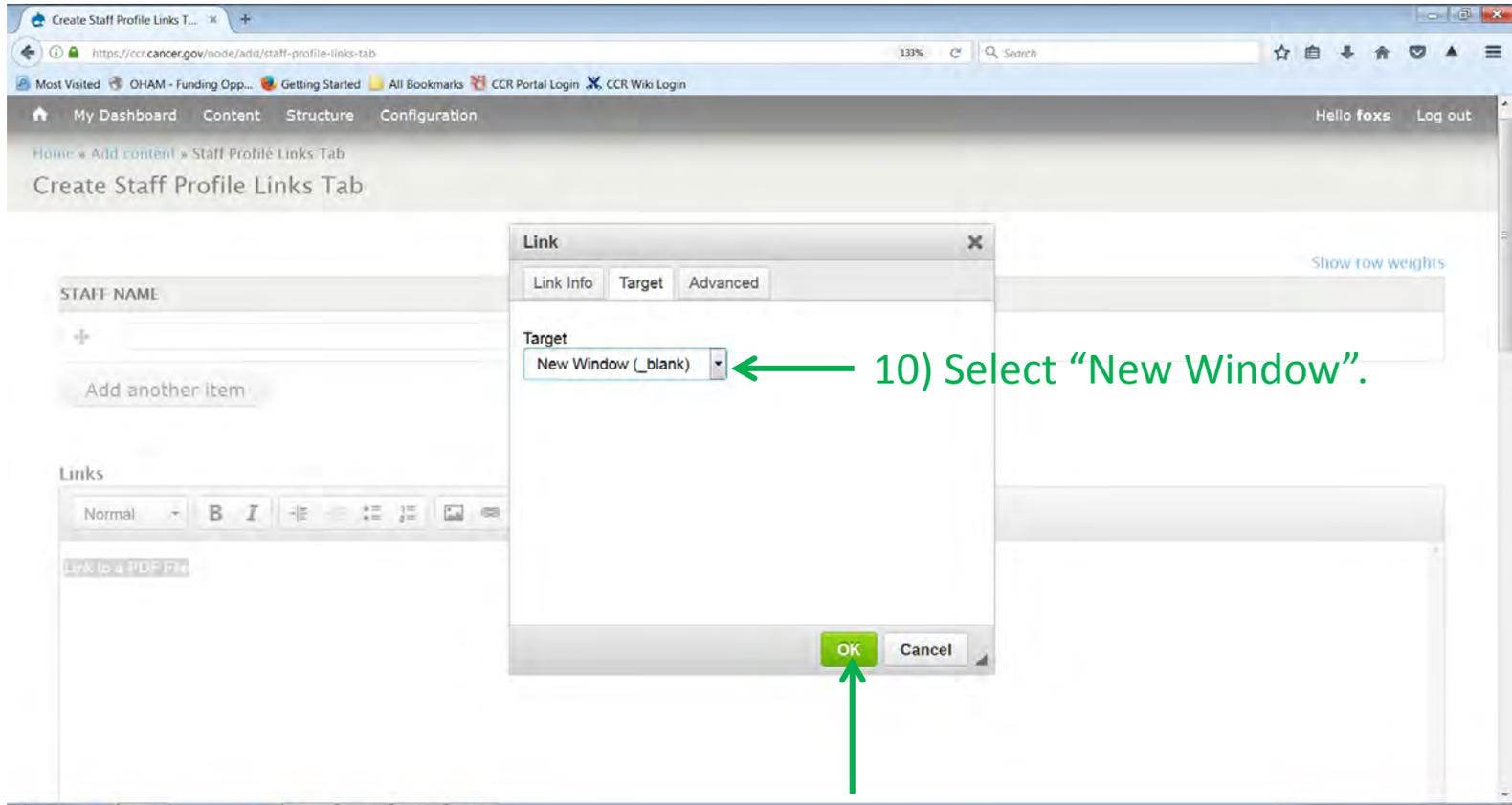
# Posting a 508-Compliant File (Cont'd)

9) Click "Target".

File name will be displayed here.

The screenshot shows a web browser window with the URL <https://ccr.cancer.gov/node/add/staff-profile-links-tab>. The page title is "Create Staff Profile Links Tab". A modal dialog box titled "Link" is open, with the "Target" tab selected. The "Link Type" is set to "URL". The "Protocol" is set to "<other>". The "URL" field contains the text "/sites/default/files/cervical\_cancer\_2017.508\_0". A green arrow points to the "Target" tab, and another green arrow points to the URL field with the text "File name will be displayed here." The dialog box has "OK" and "Cancel" buttons at the bottom.

# Posting a 508-Compliant File (Cont'd)



10) Select "New Window".

11) Click "OK".

# Posting a 508-Compliant File (Concluded)

The screenshot shows a web browser window with the URL <https://ccr.cancer.gov/node/add/staff-profile-links-tab>. The page title is "Create Staff Profile Links Tab". The breadcrumb trail is "Home » Add content » Staff Profile Links Tab". The page content includes a "STAFF NAME" section with a text input field and a "Show row weights" link. Below this is a "Links" section with a rich text editor toolbar. The text "Link to a PDF File" is present in the editor, and a green arrow points to it from the explanatory text.

STAFF NAME

Show row weights

+

Add another item

Links

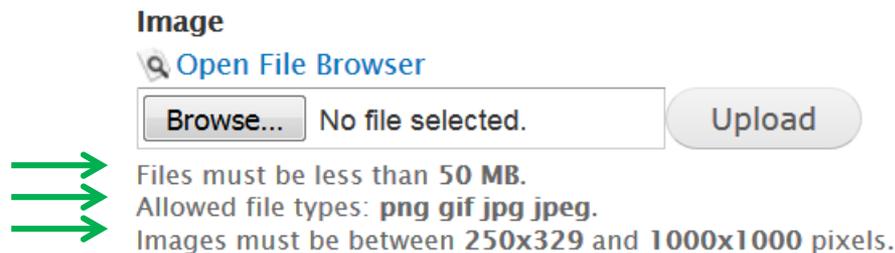
Normal **B** **I** [List icons] [Image icon] [Link icon] [Unlink icon]

Link to a PDF File ← This text is now a link to the PDF file. When this link is "clicked" PDF file will open in a new window.

# Working with Image Files

Before you begin, each image file must:

- Be stored somewhere on your computer.
- Be sized correctly.
- Read the tips first. Tips are located below each image upload area:



# Working with Image Files: Example 1

## Create Staff Profile Alumni Tab

Alumni Display Name \*

Alumni Photo

Open File Browser

Browse...

No file selected.

Upload

Files must be less than 25 MB.  
Allowed file types: png gif jpg jpeg.  
Images must be smaller than 100x100 pixels.

Click "Browse" to find and upload the image from your computer.

Read all of the tips before you start.

Alumni Last Name

Alumni First Name

Show row weights

STAFF NAME

+

"Federico Bernal, Ph.D. (536)"

⊗

+

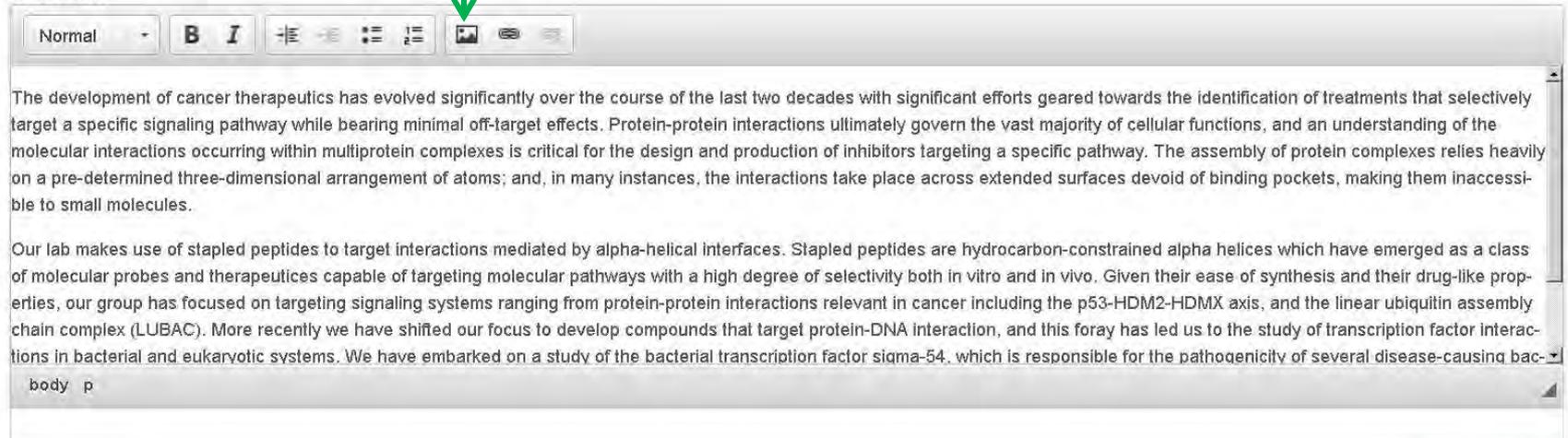
⊗

# Working with Image Files: Example 2

[Home](#) » [Federico Bernal, Ph.D.](#) » [Edit](#)

*Edit Staff Profile Research Tab* Federico Bernal, Ph.D.

## Research



The screenshot shows a rich text editor toolbar with various icons for text formatting. A green arrow points to the image icon, which is labeled "Click image icon." The text area below the toolbar contains two paragraphs of text. The first paragraph discusses the development of cancer therapeutics and protein-protein interactions. The second paragraph discusses the use of stapled peptides to target interactions mediated by alpha-helical interfaces.

The development of cancer therapeutics has evolved significantly over the course of the last two decades with significant efforts geared towards the identification of treatments that selectively target a specific signaling pathway while bearing minimal off-target effects. Protein-protein interactions ultimately govern the vast majority of cellular functions, and an understanding of the molecular interactions occurring within multiprotein complexes is critical for the design and production of inhibitors targeting a specific pathway. The assembly of protein complexes relies heavily on a pre-determined three-dimensional arrangement of atoms; and, in many instances, the interactions take place across extended surfaces devoid of binding pockets, making them inaccessible to small molecules.

Our lab makes use of stapled peptides to target interactions mediated by alpha-helical interfaces. Stapled peptides are hydrocarbon-constrained alpha helices which have emerged as a class of molecular probes and therapeutics capable of targeting molecular pathways with a high degree of selectivity both in vitro and in vivo. Given their ease of synthesis and their drug-like properties, our group has focused on targeting signaling systems ranging from protein-protein interactions relevant in cancer including the p53-HDM2-HDMX axis, and the linear ubiquitin assembly chain complex (LUBAC). More recently we have shifted our focus to develop compounds that target protein-DNA interaction, and this foray has led us to the study of transcription factor interactions in bacterial and eukaryotic systems. We have embarked on a study of the bacterial transcription factor sigma-54, which is responsible for the pathogenicity of several disease-causing bac-

[Show row weights](#)

## STAFF NAME \*

|   |   |                                 |
|---|---|---------------------------------|
| + | <input type="text" value="Federico Bernal, Ph.D. (536)"/> | <input type="button" value=""/> |
| + | <input type="text"/>                                      | <input type="button" value=""/> |

# Working with Images: Example 2 (Cont'd)

Home » Federico Bernal, Ph.D. » Edit  
Edit Staff Profile Research Tab Federico Bernal, Ph.D.

Research

Normal **B** **I**

The development of cancer therapeutics has evolved to target a specific signaling pathway while bearing minimal toxicity. Molecular interactions occurring within multiprotein complexes on a pre-determined three-dimensional arrangement of proteins are accessible to small molecules.

Our lab makes use of stapled peptides to target and interact with specific proteins. In addition to the development of molecular probes and therapeutics capable of targeting specific proteins, our group has focused on targeting signaling systems. The chain complex (LUBAC). More recently we have shifted our focus to the study of protein-protein interactions in bacterial and eukaryotic systems. We have embarked on a program of research towards the identification of treatments that selectively target cellular functions, and an understanding of the molecular mechanism. The assembly of protein complexes relies heavily on the presence of binding pockets, making them inaccessible to small molecules. We have identified a class of stapled alpha helices which have emerged as a class of molecules with unique properties. Even their ease of synthesis and their drug-like properties have led us to the study of transcription factor interactions. The linear ubiquitin assembly has led us to the study of transcription factor interactions for the pathogenicity of several disease-causing bacteria.

body ¶

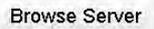
STAFF NAME \*

+ "Federico Bernal, Ph.D. (536)"

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Questions?