



HARNESSING THE POWER OF VIEWS

ALINA NEVINS, YALESITES DRUPALCAMP 2016



**WHAT ARE WE GOING TO
LEARN TODAY?**

What is “Views”?

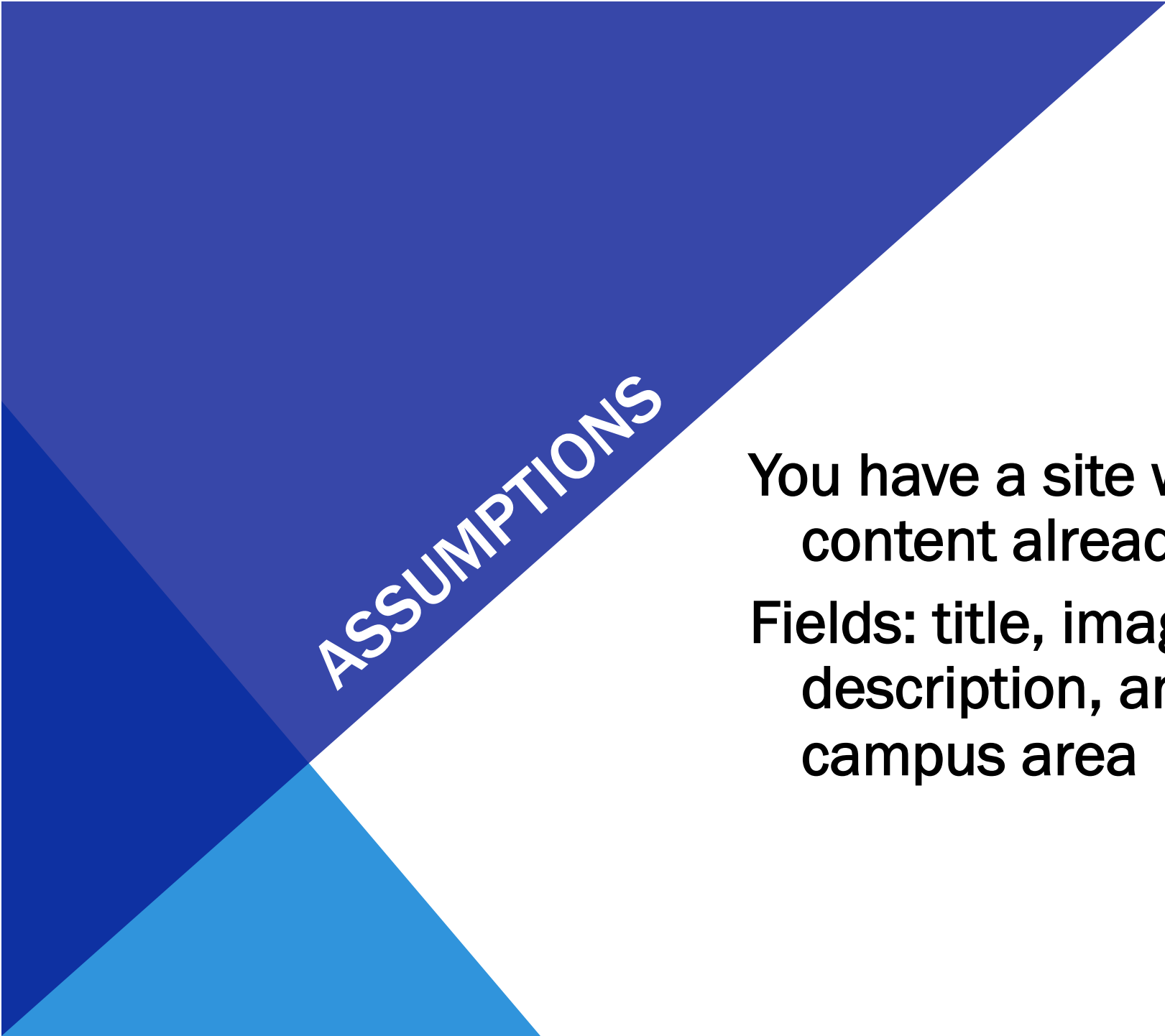
Create a view

Customize the view

Page display

Block display

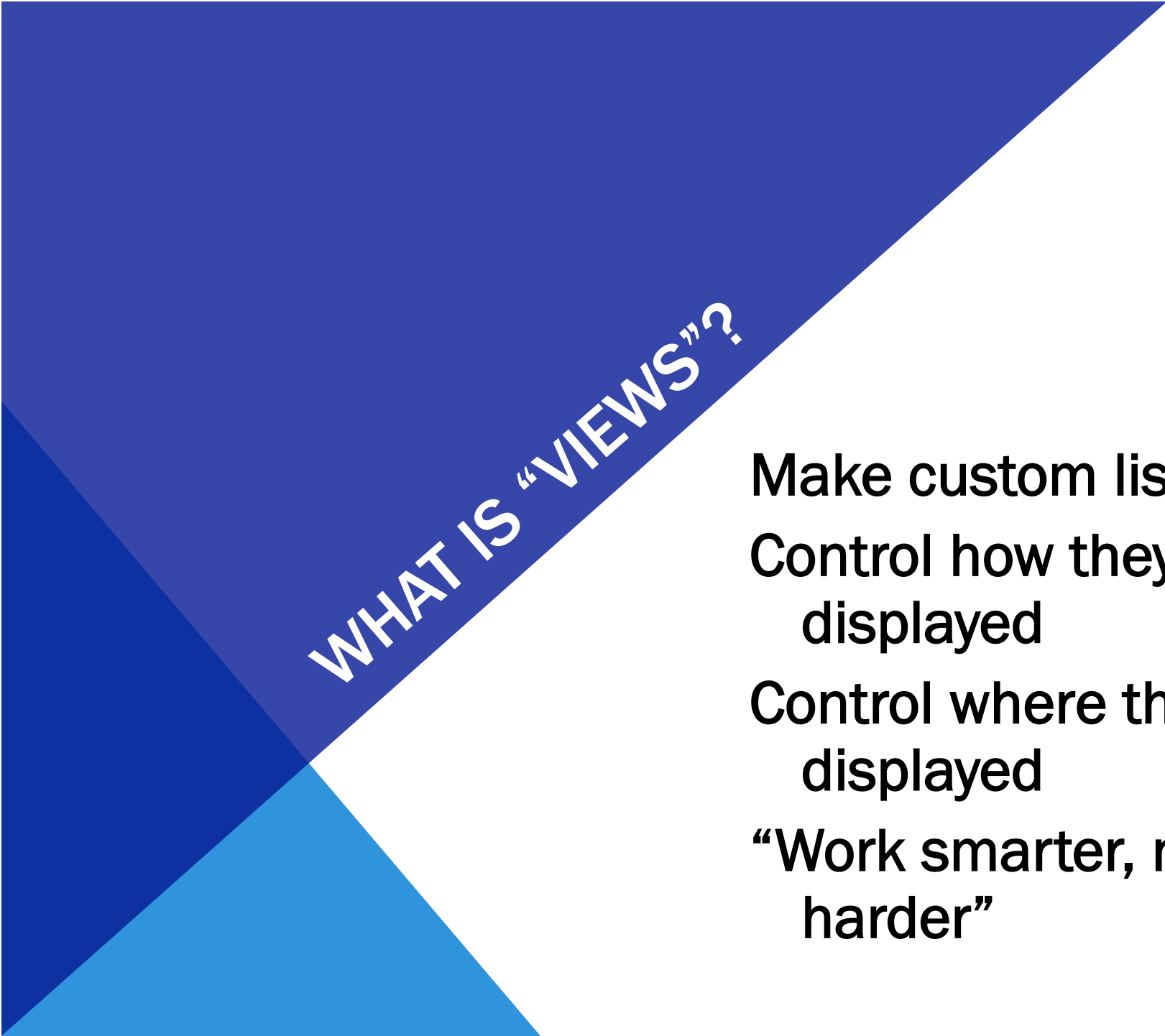
Sort & filter



ASSUMPTIONS

You have a site with
content already

Fields: title, image,
description, and
campus area



WHAT IS "VIEWS"?

Make custom lists

**Control how they are
displayed**

**Control where they are
displayed**

**"Work smarter, not
harder"**

CUSTOM DATABASE QUERY

Title	Content Type	Author
Yale Archeologist Finds New Dinosaur	News	Susan
DrupalCamp 2016	Event	Nancy
Lunch	Event	Bobby
About Us	Basic Page	Nancy
Contact Us	Webform	Susan
FAQ	Basic Page	Tim
Restaurant Week Returns!	News	Susan



HOW CONTENT CAN BE DISPLAYED

Titles

Fields in a table view, sortable columns

Custom fields with custom display (teaser-list)

List of Pages

- Page one
- Page two
- Page three
- Page four
- Page five
- Page six

Author	Date	Type
Anna	12/1	News
Anna	3/17	Event
Bob	5/20	Event
Carol	2/28	News
Dan	9/15	Basic Page

All Buildings



Hall of Graduate Studies

This is the location of the Center for Teaching and Learning as well as the contains academic department and faculty offices, as well as classrooms and housing.

Era: 1910-1950

Neighborhood: Broadway



360 State

360 State Street is a 300-foot (91 m) residential skyscraper completed in Connecticut. It is the second-tallest building in the city, and the largest apartment building in the state.

Era: 1980-Today

Neighborhood: Ninth Square



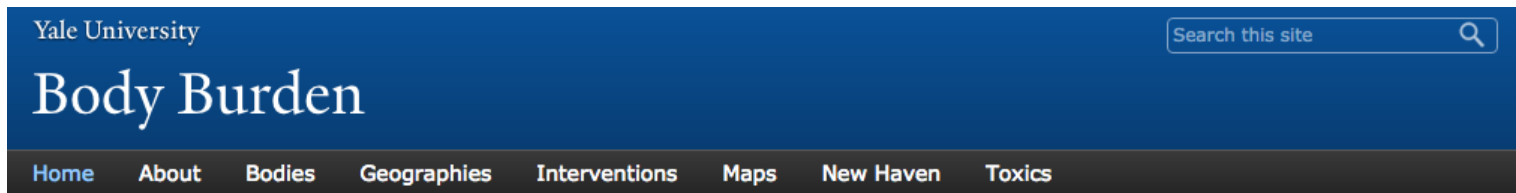
Sterling Law Building

Sterling Law Building houses the Yale Law School. It is located at 127 Wall Street, close to the downtown area, in the heart of the Yale campus.

Era: 1910-1950

Neighborhood: Broadway

WHERE CONTENT CAN BE DISPLAYED



Cartographies of Chemical Entanglement: a combined research portal and digital map for Professor Vanessa Agard-Jones' course, "Gender, Justice and the Environment."

SIDEBAR BLOCK

A block is a container that allows you to add additional content to a page. Examples include contact information, a list of related links, an event promotion or anything you'd like to feature! To edit this block, hover over the upper right corner and click on the small gear icon. More on blocks...

PAGE DISPLAY

← → ↻ ☆

Yale University 🔍

Undergraduate Research at Yale

[Home](#) [FAQs](#) [Principal Investigators](#) [Labs](#) [Resources](#) [Interviews](#) [About](#) [News](#) [Job Postings](#) [Help](#)

Home » Labs



HowardLab

Department: Molecular Biophysics & Biochemistry (MB&B)
PI: Jonathon Howard
Lab Specialty: Small Molecule Assembly



FlanneryLaboratory

Department: Obstetrics, Gynecology, & Reproductive Sciences-YSM
PI: Clare Ann Flannery
Lab Specialty: Insulin Resistance, Type 2 Diabetes Mellitus



ReinkeLab

Department: Genetics - YSM
PI: Valerie Reinke
Lab Specialty: Germ Cells, Genome Integrity



LouviLab

Search for Labs

Lab Name

Department
- Any -

Lab Specialty

Principal Investigator
- Any - ▾

Interviewers

Undergraduate Researcher


Sort by ▾ **Order** ▾

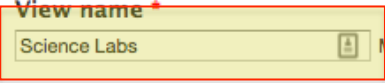

CREATING A NEW VIEW

The image shows a screenshot of the Drupal administration interface. At the top, a navigation bar contains the following items: Dashboard, Content, Structure, Appearance, People, Modules, and Configuration. A large red arrow points down to the 'Structure' menu. The 'Structure' menu is open, displaying a list of options: Blocks, Configuration builder, Content types, Context, Custom breadcrumbs, Display Suite, Features, Menus, Taxonomy, and Views. A red arrow points from the left to the 'Views' option. The 'Views' option is highlighted, and a sub-menu is visible to its right, containing the following options: Add new view, Add view from template, and Import. A red arrow points from the right to the 'Add new view' option. The background of the interface shows a page with the text 'Yale University Body Burden' and navigation links like 'Home', 'Geographies', and 'Intervention'.

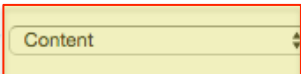

NEW VIEW WIZARD

Home » Administration » Structure » Views » Views

Add new view 

View name 
Science Labs  Machine name: science_labs [\[Edit\]](#)





Description

Show  of type All  tagged with

Create a page

Page title
Science Labs

Path
http://dev.undergradresearch.yale.edu

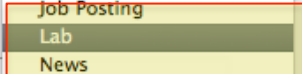
Display format
Unformatted list  of teasers  with links (allow users to add comments, etc.)  without comments 

Items to display

Use a pager

Create a menu link

Include an RSS feed

- All
- Basic page
- Event
- FAQ
- Gallery
- Job Posting
- Lab 
- News
- Rotating Feature
- Rotating Header Image
- Webform

NEW VIEW WIZARD: CREATE A PAGE

Calendar
Flex Slider
Grid
HTML list
Jump menu
Slideshow
Table
✓ Unformatted list
Views Accordion
✓ fields

teasers
full posts
titles
titles (linked)
fields

u/ science-labs

Unformatted list of teasers with links (allow users to add comments, etc.) without comments

Items to display
10

Use a pager

Create a menu link

Include an RSS feed

NEW VIEW WIZARD: CREATE A BLOCK

Create a block

Block title

Display format
 of

Items per page

Use a pager



Save & exit

Continue & edit

Cancel

NEW PAGE VIEW

The screenshot shows a web browser at the URL `dev.undergradresearch.yale.edu/science-labs`. The page features a navigation menu with items like Dashboard, Content, Structure, Appearance, People, Modules, Configuration, Reports, Advanced help, and Help. The main header displays 'Yale University Undergraduate Research at Yale'. Below this is a secondary navigation menu with Home, FAQs, Principal Investigators, Labs, Resources, Interviews, About, and News. The main content area shows a breadcrumb 'Home »' followed by the title 'ScienceLabs' and a list of laboratory names: Howard Lab, Flannery Laboratory, Reinke Lab, Louvi Lab, Dieter Söll Laboratory, Chun Lab, Chen Lab, Jensen Lab, Greer Lab, and Lombroso Lab for the Study of Neuroscience and Molecular Neurobiology. At the bottom of the list are page numbers '1 | 2 | 3' and navigation links 'next >' and 'last >'. A red arrow points to an 'Edit view' button with a gear icon, which is used to modify the page's appearance.

dev.undergradresearch.yale.edu/science-labs

Dashboard Content Structure Appearance People Modules Configuration Reports Advanced help Help Search

Yale University

Undergraduate Research at Yale

Home FAQs Principal Investigators Labs Resources Interviews About News J

Home »

ScienceLabs

- Howard Lab
- Flannery Laboratory
- Reinke Lab
- Louvi Lab
- Dieter Söll Laboratory
- Chun Lab
- Chen Lab
- Jensen Lab
- Greer Lab
- Lombroso Lab for the Study of Neuroscience and Molecular Neurobiology


1 | 2 | 3 |

next > last >

Edit view

CUSTOMIZE THE VIEW: DISPLAYS

[Home](#) » [Administration](#) » [Structure](#) » [Views](#) » [Science Labs \(Content\)](#)

Science Labs (Content) 

Modify the display(s) of your view below or add new displays.

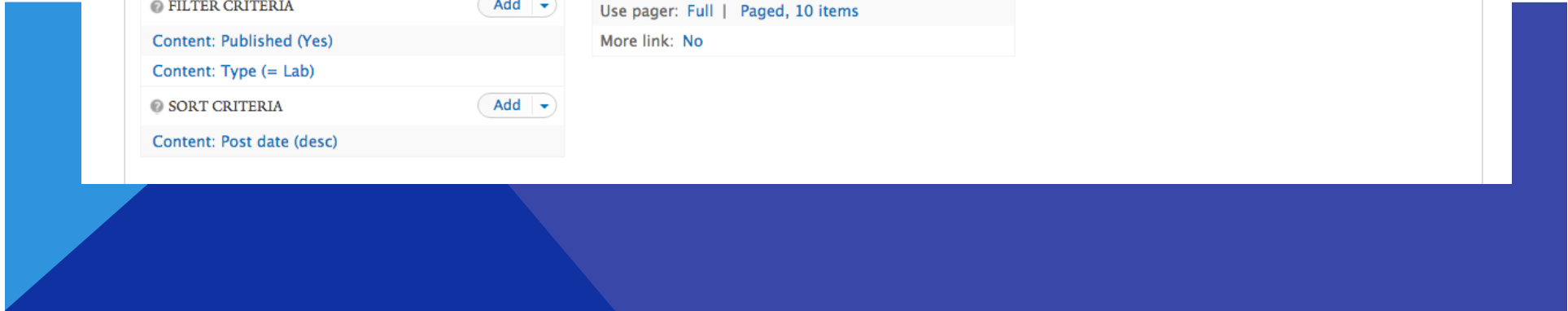
Displays

Master Page Block + Add edit view name/description

▼ Page details


Display name: Page view Page

TITLE Title: Science Labs	PAGE SETTINGS Path: /science-labs	▶ Advanced
FORMAT Format: Unformatted list Settings	Menu: No menu	
SHOW Show: Fields Settings	Access: Permission View published content	
FIELDS Add	HEADER Add	
Content: Title	FOOTER Add	
FILTER CRITERIA Add	PAGER	
Content: Published (Yes)	Use pager: Full Paged, 10 items	
Content: Type (= Lab)	More link: No	
SORT CRITERIA Add		
Content: Post date (desc)		



CUSTOMIZE THE VIEW: OVERVIEW

Home » Administration » Structure » Views » Science Labs (Content)

Science Labs (Content) 

Modify the display(s) of your view below or add new displays.

Displays

Master Page Block + Add edit view name/description ▾

▼ Page details view Page ▾

Display name: Page	
TITLE Title: Science Labs	
FORMAT Format: Unformatted list Settings Show: Fields Settings	
FIELDS Content: Title	Add ▾
FILTER CRITERIA Content: Published (Yes) Content: Type (= Lab)	Add ▾
SORT CRITERIA Content: Post date (desc)	Add ▾

PAGE SETTINGS

Path: /science-labs

Menu: No menu

Access: Permission | View published content

HEADER Add

FOOTER Add

PAGER

Use pager: Full | Paged, 10 items

More link: No

▶ Advanced

ADD FIELDS



Add fields

Search

Filter

Content: Campus Area
Appears in: node:lab.

Content: Lab Site

Content: Body

Selected: Content: Lab Site, Content: Body, Content: Campus Area

Add and configure fields  Cancel

- Content: Description
This is an alias of Content: Body.
- Content: Answer
This is an alias of Content: Body.
- Content: Job Description
This is an alias of Content: Body.
- Content: Caption
Appears in: node:rotating_feature.
- Content: Comment count
The number of comments a node has.
- Content: Comment status
Whether comments are enabled or disabled on the node.

CONFIGURE FIELD: CONTENT: BODY

Configure field: Content: Body

All displays

- This page (override)

Appears in: node:page, node:news, node:event, node:slideshow, node:lab, node:faq, node:job_posting. Also known as: Content: Lab information, Content: Body, Content: Event description, Content: Description, Content: Answer, Content: Job Description.

Create a label
Enable to create a label for this field.

Label

Place a colon after the label

Exclude from display
Enable to load this field as hidden. Often used to group fields, or to use as token in another field.

Formatter

▶ **STYLE SETTINGS**

CONFIGURE FIELD: FIELD: IMAGE

Configure field: Field: Image

For

Appears in: node:news, node:lab, taxonomy_term:principal_investigator. Also known as: Taxonomy term: Image, Content: Image.

Create a label

Enable to create a label for this field.

Label

Place a colon after the label

Exclude from display

Enable to load this field as hidden. Often used to group fields, or to use as token in another field.

Formatter

None (original image)

Image

adaptive

threshold-480

threshold-768

threshold-992

List

threshold-1382

flexslider_full

Thumbnail (100x100)

Nothing

CONFIGURE CONTENT: LAB SITE

Configure field: Field: Website < 2 of 2 >

For

Appears in: user:user, taxonomy_term:principal_investigator, node:lab. Also known as: Content: Lab Site, Taxonomy term: Lab Website, User: Website.

Create a label
Enable to create a label for this field.

Label


Place a colon after the label

Exclude from display
Enable to load this field as hidden. Often used to group fields, or to use as token in another field.

Formatter

▸ **STYLE SETTINGS**

▸ **NO RESULTS BEHAVIOR**



CONFIGURE CONTENT: CAMPUS AREA

Configure field: Content: Campus Area < 1 of 2 >


For This page (override) ▾

Appears in: node:lab.

Create a label
Enable to create a label for this field.

Label


Place a colon after the label

 Exclude from display
Enable to load this field as hidden. Often used to group fields, or to use as token in another field.

Formatter

▸ **STYLE SETTINGS**

▸ **REWRITE RESULTS**



CONFIGURE CONTENT: TITLE

Configure field: Content: Title

For

The content title.

- Create a label
Enable to create a label for this field.
- Exclude from display
Enable to load this field as hidden. Often used to group fields, or to use as token in another field.
- Link this field to the original piece of content
Enable to override this field's links.

▼ STYLE SETTINGS

Customize field HTML

HTML element

Choose the HTML element to wrap around this field, e.g. H1, H2, etc.

- Create a CSS class
- Customize label HTML
- Customize field and label wrapper HTML
- Add default classes
Use default Views classes to identify the field, field label and field content.

Apply (this display)

Cancel

Remove

REARRANGE FIELDS

Rearrange fields

For

Show row weights

	REMOVE
+ Field: Image *	Remove
+ Content: Title	Remove
+ Content: Body	Remove
+ Field: Website Website	Remove
+ Content: Campus Area Campus Area*	Remove

Apply (this display)

Cancel

FILTER BY CAMPUS AREA

Add filter criteria

For

Search Filter

Content: Campus Area (field_campus_area)
Appears in: node:lab.

Selected: Content: Campus Area (field_campus_area)



FILTER BY CAMPUS AREA

Configure filter criterion: Content: Campus Area (field_campus_area)

For

Appears in: node:lab.

Expose this filter to visitors, to allow them to change it

Filter type to expose

Single filter

Grouped filters

Grouped filters allow a choice between predefined operator/value pairs.

Required

Label

Description

Operator

Is one of

Is all of

Is none of

Select terms from vocabulary Campus Area

Central Campus
Medical School
Science Hill
West Campus

SORT BY LAB NAME

Add sort criteria

For

Search

Filter

Content: Lab Name (field_lab_name)
Appears in: node:job_posting.

Content: Lab Name (field_lab_name:format)
Appears in: node:job_posting.

Selected: Content: Lab Name (field_lab_name)



SORT BY LAB NAME

Configure sort criterion: Content: Lab Name (field_lab_name)

For

Appears in: node:job_posting.

Expose this sort to visitors, to allow them to change it


Label *

Sort ascending


Sort descending

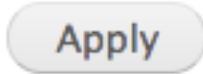
▶ **MORE**

VIEW THE EXPOSED FILTERS


Title  ▼


Science Labs


Exposed Filters  ▼

Select Campus Area Sort by Order 

- ✓ - Any -
- Central Campus
- Medical School
- Science Hill
- West Campus


Lab Name 

Desc 



CUSTOMIZE THE VIEW: OVERVIEW

Home » Administration » Structure » Views » Science Labs (Content)

Science Labs (Content) 

Modify the display(s) of your view below or add new displays.

Displays

[Master](#) **Page** [Block](#) [+ Add](#) edit view name/description ▾

▾ Page details

Display name: [Page](#) [view Page](#) ▾

TITLE	
Title: Science Labs	
FORMAT	
Format: Unformatted list Settings	
Show: Fields Settings	
FIELDS Add ▾	
Content: Title	
FILTER CRITERIA Add ▾	
Content: Published (Yes)	
Content: Type (= Lab)	
SORT CRITERIA Add ▾	
Content: Post date (desc)	

PAGE SETTINGS

Path: [/science-labs](#)

Menu: [No menu](#)

Access: [Permission](#) | [View published content](#)

[HEADER](#) [Add](#)

[FOOTER](#) [Add](#)

PAGER

Use pager: [Full](#) | [Paged, 10 items](#)

More link: [No](#)

[▶ Advanced](#)

CUSTOMIZE THE VIEW: OVERVIEW

Page: Select which pager, if any, to use for this view


For

- Display a specified number of items
- Display all items
- Page by date
- Paged output, full pager
- Paged output, mini pager

You may also adjust the [settings](#) for the currently selected pager.

CUSTOMIZE THE VIEW: OVERVIEW

Home » Administration » Structure » Views » Science Labs (Content)

Science Labs (Content) 

Modify the display(s) of your view below or add new displays.

Displays


Master **Page** Block [+ Add](#) edit view name/description ▾

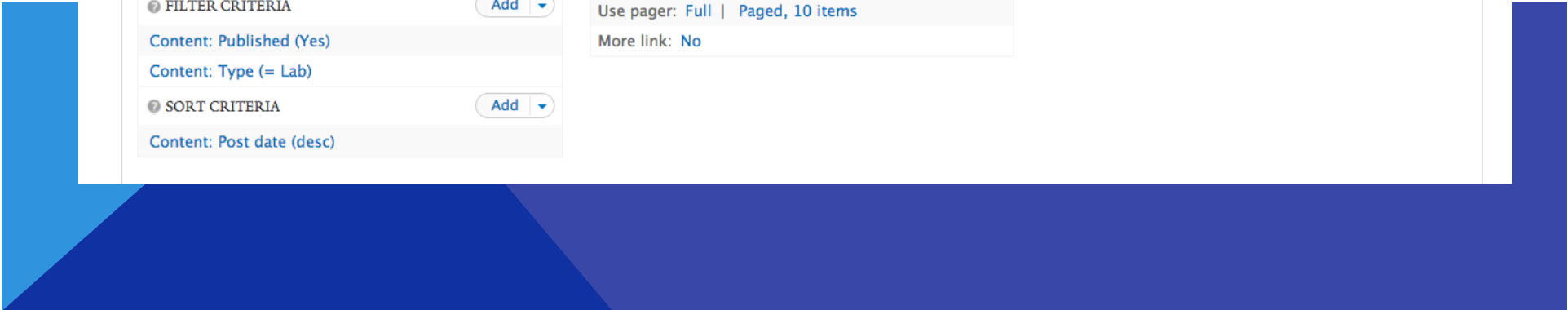
▾ Page details

Display name: Page view Page ▾

TITLE Title: Science Labs	PAGE SETTINGS Path: /science-labs Menu: No menu Access: Permission View published content ? HEADER Add ? FOOTER Add
FORMAT Format: Unformatted list Settings Show: Fields Settings	
FIELDS Add ▾ Content: Title	PAGER Use pager: Full Paged, 10 items More link: No
FILTER CRITERIA Add ▾ Content: Published (Yes) Content: Type (= Lab)	
SORT CRITERIA Add ▾ Content: Post date (desc)	

[▶ Advanced](#)





CUSTOMIZE THE VIEW: OVERVIEW

▼ Advanced

CONTEXTUAL FILTERS	Add
RELATIONSHIPS	Add
NO RESULTS BEHAVIOR	Add
EXPOSED FORM	

Exposed form in block: No

Page: CSS class

For

The CSS class names will be added to the view. This enables you to use specific CSS code for each view. You may define multiples classes separated by spaces.

Apply (this display)

Cancel

Use aggregation: No

Query settings: Settings

Field Language: Current user's language

Caching: None

CSS class: None

Theme: Information

VIEW THE RESULTS- BEFORE CSS

ScienceLabs



Howard Lab

Our lab is fascinated by the question of how small molecules like proteins, lipids and nucleotides self-assemble into cells and tissues that are thousands and millions of times large than molecular dimensions. How do the molecules know where they are, and whether the structures that they have made are the right size and shape? By using highly sensitive techniques to visualize and manipulate individual biological molecules, we are trying to understand the interaction rules that allow molecules to work together to form highly organized and dynamic cellular structures.

VIEW THE RESULTS- AFTER CSS

ScienceLabs

Select Campus Area

- Any -

Sort by

Lab Name

Order

Desc

Apply



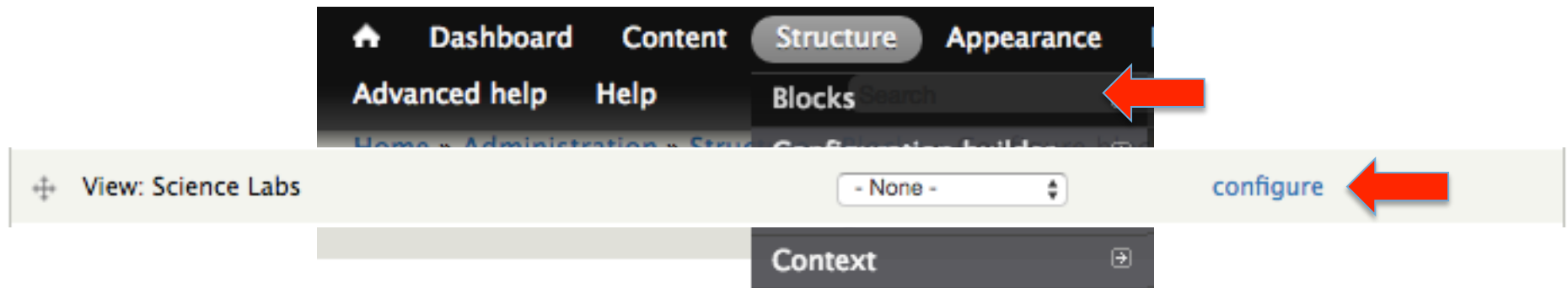
Howard Lab

Our lab is fascinated by the question of how small molecules like proteins, lipids and nucleotides self-assemble into cells and tissues that are thousands and millions of times large than molecular dimensions. How do the molecules know where they are, and whether the structures that they have made are the right size and shape? By using highly sensitive techniques to visualize and manipulate individual biological molecules, we are trying to understand the interaction rules that allow molecules to work together to form highly organized and dynamic cellular structures.

Website:

[Howard Lab](#)

PLACE THE BLOCK



PLACE THE BLOCK

REGION SETTINGS

Specify in which themes and regions this block is displayed.

Yale Wide (default theme)

- ✓ - None -
- Topper First
- Topper Second
- Site Banner
- Banner Menu
- Header First
- Header Second
- Menu
- Preface First
- Preface Second
- Preface Third
- Content
- Sidebar First (default theme)
- Sidebar Second**
- Postscript First
- Postscript Second
- Postscript Third
- Postscript Fourth

PLACE THE BLOCK

Visibility settings

Pages Restricted to certain pages	Show block on specific pages
Content types Not restricted	<input type="radio"/> All pages except those listed
Roles Not restricted	<input checked="" type="radio"/> Only the listed pages
Users Not customizable	<input type="radio"/> Pages on which this PHP code returns TRUE (experts only)
	<input type="text" value="<front>"/>
	<p>Specify pages by using their paths. Enter one path per line. The '*' character is a wildcard. Example paths are <i>blog</i> for the blog page and <i>blog/*</i> for every personal blog. <i><front></i> is the front page. If the PHP option is chosen, enter PHP code between <i><?php ?></i>. Note that executing incorrect PHP code can break your Drupal site.</p>

 Save block

REARRANGE BLOCKS



Sidebar Second			
+	View: Science Labs*	Sidebar Second	configure
+	Login	Sidebar Second	configure delete
+	Post a Job	Sidebar Second	configure delete
+	Add a Lab	Sidebar Second	configure delete



VOILA!

Yale University Search this site

Undergraduate Research at Yale

[Home](#) [FAQs](#) [Principal Investigators](#) [Labs](#) [Resources](#) [Interviews](#) [About](#) [News](#) [Job Postings](#) [Help](#)



How do I find a lab?

What should I do to find a position at a research lab?

1 2 **3**

Finding out about undergraduate research lab opportunities at Yale can be difficult. This site seeks to explain the process and provide information about the research labs that welcome undergraduate researchers.

Peer-sourced
information
and experience

How to access the
research world
at Yale

Science Labs

Howard Lab
Flannery Laboratory
Reinke Lab
Louvi Lab
Dieter Söll Laboratory

Log in with CAS



QUESTIONS?