



Performance Report for:

<http://enhanc3dgenomics.com/>

Report generated: Mon, Mar 11, 2024 7:21 AM -0700
 Test Server Location: London, UK
 Using: Chrome 117.0.0.0, Lighthouse 11.0.0

A	Performance	Structure	L. Contentful Paint	T. Blocking Time	C. Layout Shift
	92%	95%	1.9s	0ms	0

Top Issues

Med	Use a Content Delivery Network (CDN)	57 resources found
Med-Low	Serve static assets with an efficient cache policy	Potential savings of 383KB
Med-Low	Eliminate render-blocking resources <small>FCP LCP</small>	Potential savings of 206ms
Low	Use HTTP/2 for all resources	Potential savings of 70ms
Low	Avoid enormous network payloads <small>LCP</small>	Total size was 530KB

Page Details



Total Page Size - 529KB



Total Page Requests - 66



■ HTML
 ■ JS
 ■ CSS
 ■ IMG
 ■ Video
 ■ Font
 ■ Other

How does this affect me?

Today's web user expects a fast and seamless website experience. Delivering that fast experience can result in increased visits, conversions and overall happiness.

As if you didn't need more incentive, **Google has announced that they are using page speed in their ranking algorithm.**

About GTmetrix

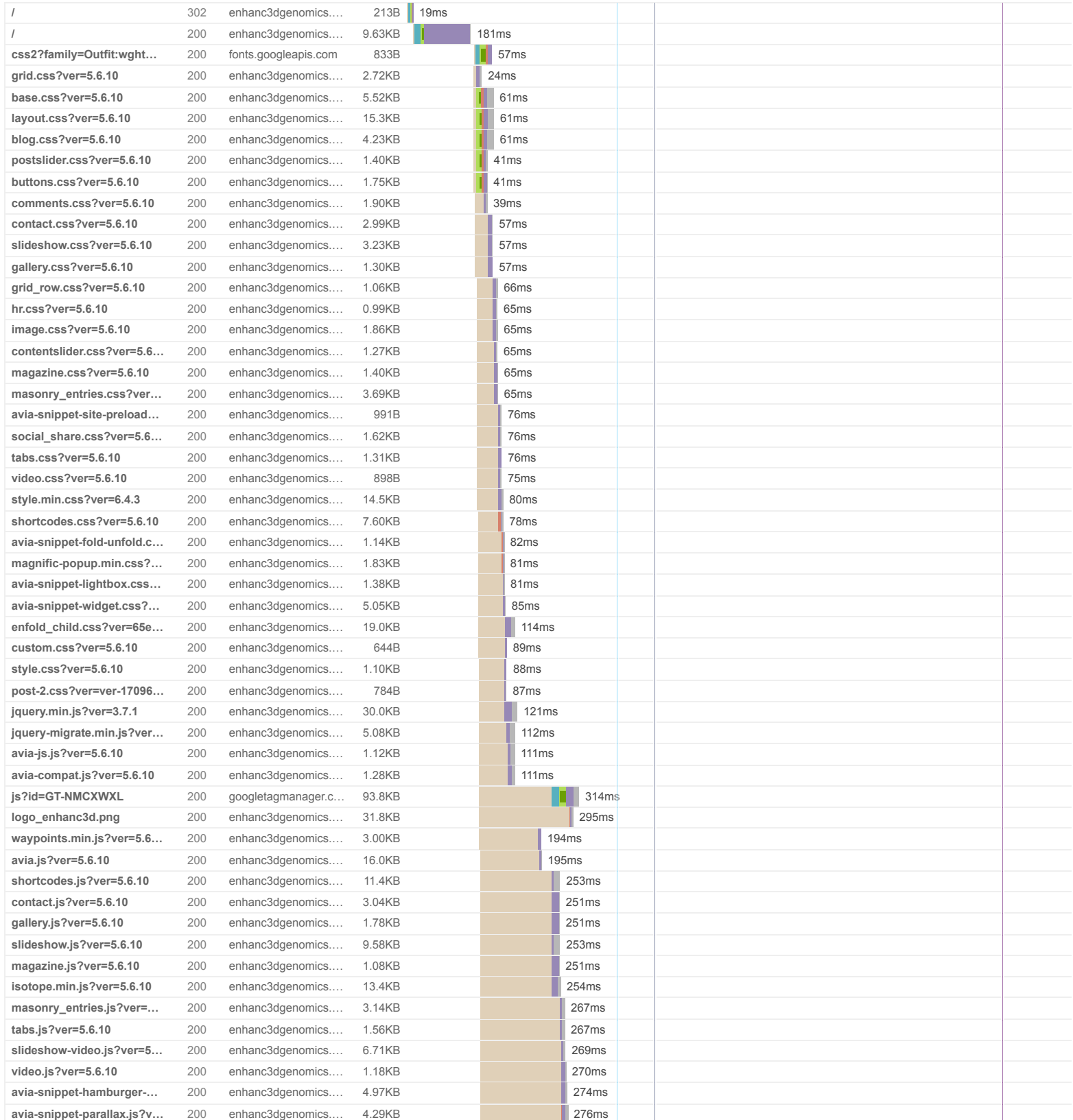


GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 28 years experience in web technology.

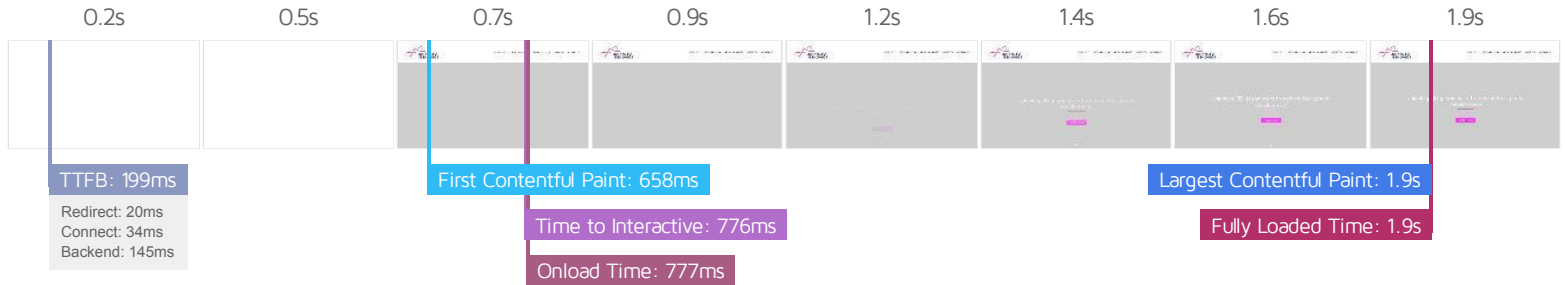
<https://carbon60.com/>

The waterfall chart displays the loading behaviour of your site in your selected browser. It can be used to discover simple issues such as 404's or more complex issues such as external resources blocking page rendering.

Enhanc3D Genomics – 3D Genomics for Therapeutics



avia-snippet-fold-unfold.j...	200	enhanc3dgenomics....	2.64KB		279ms	
jquery.magnific-popup.mi...	200	enhanc3dgenomics....	7.58KB		282ms	
avia-snippet-lightbox.js?v...	200	enhanc3dgenomics....	2.73KB		281ms	
avia-snippet-megamenu.j...	200	enhanc3dgenomics....	2.19KB		279ms	
avia-snippet-sticky-head...	200	enhanc3dgenomics....	1.51KB		290ms	
avia-snippet-footer-effect...	200	enhanc3dgenomics....	0.98KB		291ms	
avia-snippet-widget.js?ve...	200	enhanc3dgenomics....	1.16KB		291ms	
bg3.jpg	(failed)	enhancedgenomics....	0		110ms	
EG_Symbol.png	200	enhanc3dgenomics....	66.3KB		50ms	
entypo-fontello.woff2	200	enhanc3dgenomics....	39.1KB		95ms	
QGYvz_MVcBeNP4NJtEtq...	200	fonts.gstatic.com	31.5KB		144ms	
favicon.png	200	enhanc3dgenomics....	8.68KB			7ms
favicon-36x36.png	200	enhanc3dgenomics....	1.72KB			6ms
66 Requests 529KB (1.48MB Uncompressed) Fully Loaded 1.9s (Onload 777ms)						



Performance Metrics

<p>First Contentful Paint</p> <p>How quickly content like text or images are painted onto your page. A good user experience is 0.9s or less.</p>	<p>Good - Nothing to do here</p> <p>658ms</p>	<p>Time to Interactive</p> <p>How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.</p>	<p>Good - Nothing to do here</p> <p>776ms</p>
<p>Speed Index</p> <p>How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.</p>	<p>Good - Nothing to do here</p> <p>736ms</p>	<p>Total Blocking Time</p> <p>How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.</p>	<p>Good - Nothing to do here</p> <p>0ms</p>
<p>Largest Contentful Paint</p> <p>How long it takes for the largest element of content (e.g. a hero image) to be painted on your page. A good user experience is 1.2s or less.</p>	<p>Longer than recommended</p> <p>1.9s</p>	<p>Cumulative Layout Shift</p> <p>How much your page's layout shifts as it loads. A good user experience is a score of 0.1 or less.</p>	<p>Good - Nothing to do here</p> <p>0</p>

Browser Timings

Redirect	20ms	Connect	34ms	Backend	145ms
TTFB	199ms	First Paint	658ms	DOM Int.	773ms
DOM Loaded	776ms	Onload	777ms	Fully Loaded	1.9s

IMPACT AUDIT

Low Properly size images

Potential savings of 24.7KB

Serve images that are appropriately-sized to save cellular data and improve load time.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://enhanc3dgenomics.com/wp-content/uploads/2022/07/logo_enhanc3d.png	31.6KB	24.7KB

Low Avoid multiple page redirects FCP LCP

Potential savings of 18ms

Redirects introduce additional delays before the page can be loaded.

URL	TIME SPENT
http://enhanc3dgenomics.com/	18ms
https://enhanc3dgenomics.com/	0ms

Low Ensure text remains visible during webfont load FCP LCP

1 font found

Leverage the `font-display` CSS feature to ensure text is user-visible while webfonts are loading.

URL	POTENTIAL SAVINGS
https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-template-builder/assets/fonts/entypo-fontello.woff2	9ms

Low Avoid long main-thread tasks TBT

2 long tasks found

Lists the longest tasks on the main thread, useful for identifying worst contributors to input delay.

URL	START TIME	DURATION
https://enhanc3dgenomics.com/	470ms	84ms
https://enhanc3dgenomics.com/	254ms	52ms

Low Reduce JavaScript execution time TBT

156ms spent executing JavaScript

Consider reducing the time spent parsing, compiling, and executing JS. You may find delivering smaller JS payloads helps with this.

URL	TOTAL CPU TIME	SCRIPT EVALUATION	SCRIPT PARSE
https://enhanc3dgenomics.com/	294ms	22ms	1ms
Unattributable	133ms	0ms	0ms
https://enhanc3dgenomics.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	101ms	69ms	5ms
https://www.googletagmanager.com/gtag/js?id=GT-NMCXWXL	57ms	50ms	6ms

Low Reduce unused CSS FCP LCP

Potential savings of 44.7KB

Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://enhanc3dgenomics.com/wp-content/uploads/dynamic_avia/enfold_child.css?ver=65e7e3bbf30d8	19.0KB	16.0KB
https://enhanc3dgenomics.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	14.5KB	14.5KB
https://enhanc3dgenomics.com/wp-content/themes/enfold/css/layout.css?ver=5.6.10	15.3KB	14.2KB

Low **Serve images in next-gen formats** Potential savings of 52.5KB

Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which means faster downloads and less data consumption.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://enhanc3dgenomics.com/wp-content/uploads/2022/07/EG_Symbol.png	66.0KB	30.4KB
https://enhanc3dgenomics.com/wp-content/uploads/2022/07/logo_enhanc3d.png	31.6KB	22.1KB

Low **Reduce initial server response time** FCP LCP Root document took 144ms

Keep the server response time for the main document short because all other requests depend on it.

URL	TIME SPENT
https://enhanc3dgenomics.com/	144ms

Low **Minify CSS** FCP LCP Potential savings of 5.20KB

Minifying CSS files can reduce network payload sizes.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://enhanc3dgenomics.com/wp-content/themes/enfold/css/layout.css?ver=5.6.10	15.3KB	2.99KB
https://enhanc3dgenomics.com/wp-content/themes/enfold/css/shortcodes.css?ver=5.6.10	7.60KB	2.22KB

Low **Minify JavaScript** FCP LCP Potential savings of 18.3KB

Minifying JavaScript files can reduce payload sizes and script parse time.

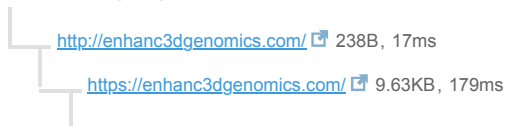
URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://enhanc3dgenomics.com/wp-content/themes/enfold/js/avia.js?ver=5.6.10	16.0KB	6.49KB
https://enhanc3dgenomics.com/wp-content/themes/enfold/js/shortcodes.js?ver=5.6.10	11.4KB	4.39KB
https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/slideshow/slideshow.js?ver=5.6.10	9.58KB	4.06KB
https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/slideshow/slideshow-video.js?ver=5.6.10	6.71KB	3.32KB

Low **Avoid chaining critical requests** FCP LCP 57 chains found

The Critical Request Chains below show you what resources are loaded with a high priority. Consider reducing the length of chains, reducing the download size of resources, or deferring the download of unnecessary resources to improve page load.

Maximum critical path latency: **637ms**

INITIAL NAVIGATION



<https://enhanc3dgenomics.com/wp-content/themes/enfold/css/base.css?ver=5.6.10> 5.52KB, 58ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/css/avia-snippet-site-preloader.css?ver=5.6.10> 991B, 69ms

https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/social_share/social_share.css?ver=5.6.10 1.62KB, 69ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/magazine/magazine.js?ver=5.6.10> 1.08KB, 33ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/js/avia.js?ver=5.6.10> 16.0KB, 10ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/js/avia-snippet-parallax.js?ver=5.6.10> 4.29KB, 22ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/css/custom.css?ver=5.6.10> 644B, 83ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-template-builder/assets/fonts/entypo-fontello.woff2> 39.1KB, 9ms

https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/masonry_entries/masonry_entries.css?ver=5.6.10 3.69KB, 57ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/js/shortcodes.js?ver=5.6.10> 11.4KB, 36ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/slideshow/slideshow.css?ver=5.6.10> 3.23KB, 54ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/blog/blog.css?ver=5.6.10> 4.23KB, 58ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/magazine/magazine.css?ver=5.6.10> 1.40KB, 59ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/gallery/gallery.js?ver=5.6.10> 1.78KB, 34ms

https://enhanc3dgenomics.com/wp-content/uploads/dynamic_avia/avia_posts_css/post-2.css?ver=ver-1709696851 784B, 81ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/contact/contact.js?ver=5.6.10> 3.04KB, 34ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/js/avia-snippet-megamenu.js?ver=5.6.10> 2.19KB, 9ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/css/shortcodes.css?ver=5.6.10> 7.60KB, 72ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/tabs/tabs.css?ver=5.6.10> 1.31KB, 69ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/slideshow/slideshow.js?ver=5.6.10> 9.58KB, 36ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/js/avia-snippet-lightbox.js?ver=5.6.10> 2.73KB, 11ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/gallery/gallery.css?ver=5.6.10> 1.30KB, 46ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/image/image.css?ver=5.6.10> 1.86KB, 59ms

<https://enhanc3dgenomics.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3> 14.5KB, 73ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/hr/hr.css?ver=5.6.10> 0.99KB, 59ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/buttons/buttons.css?ver=5.6.10> 1.75KB, 38ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold-child/style.css?ver=5.6.10> 1.10KB, 83ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/js/avia-compat.js?ver=5.6.10> 1.28KB, 103ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/js/avia-snippet-widget.js?ver=5.6.10> 1.16KB, 10ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/video/video.css?ver=5.6.10> 898B, 68ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/js/avia-snippet-footer-effects.js?ver=5.6.10> 0.98KB, 12ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/css/avia-snippet-fold-unfold.css?ver=5.6.10> 1.14KB, 76ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/video/video.js?ver=5.6.10> 1.18KB, 17ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/css/grid.css?ver=5.6.10> 2.72KB, 21ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/js/avia-snippet-hamburger-menu.js?ver=5.6.10> 4.97KB, 21ms

https://enhanc3dgenomics.com/wp-content/uploads/dynamic_avia/enfold_child.css?ver=65e7e3bbf30d8 19.0KB, 108ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/js/avia-snippet-fold-unfold.js?ver=5.6.10> 2.64KB, 11ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/contact/contact.css?ver=5.6.10> 2.99KB, 54ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/contentslider/contentslider.css?ver=5.6.10> 1.27KB, 59ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/slideshow/slideshow-video.js?ver=5.6.10> 6.71KB, 16ms

https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/grid_row/grid_row.css?ver=5.6.10 1.06KB, 60ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/js/avia-js.js?ver=5.6.10> 1.12KB, 104ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/css/avia-snippet-lightbox.css?ver=5.6.10> 1.38KB, 76ms

https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/masonry_entries/masonry_entries.js?ver=5.6.10 3.14KB, 15ms

<https://enhanc3dgenomics.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.1> 5.08KB, 106ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/js/aviapopup/magnific-popup.min.css?ver=5.6.10> 1.83KB, 76ms

<https://enhanc3dgenomics.com/wp-content/themes/enfold/js/waypoints/waypoints.min.js?ver=5.6.10> 3.00KB, 9ms

- <https://enhanc3dgenomics.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1> 30.0KB, 114ms
- <https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/postslider/postslider.css?ver=5.6.10> 1.40KB, 38ms
- <https://enhanc3dgenomics.com/wp-content/themes/enfold/css/avia-snippet-widget.css?ver=5.6.10> 5.05KB, 79ms
- <https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/comments/comments.css?ver=5.6.10> 1.90KB, 36ms
- <https://enhanc3dgenomics.com/wp-content/themes/enfold/css/layout.css?ver=5.6.10> 15.3KB, 58ms
- <https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/tabs/tabs.js?ver=5.6.10> 1.56KB, 15ms
- <https://enhanc3dgenomics.com/wp-content/themes/enfold/js/avia-snippet-sticky-header.js?ver=5.6.10> 1.51KB, 12ms
- <https://enhanc3dgenomics.com/wp-content/themes/enfold/js/aviapopup/jquery.magnific-popup.min.js?ver=5.6.10> 7.58KB, 12ms
- <https://enhanc3dgenomics.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/portfolio/isotope.min.js?ver=5.6.10> 13.4KB, 37ms
- <https://fonts.googleapis.com/css2?family=Outfit:wght@400;600;700&display=swap> 833B, 53ms
- https://fonts.gstatic.com/s/outfit/v11/QGYvz_MVcBeNP4NjEtq_woff2 32.0KB, 58ms

Low **Reduce unused JavaScript** LCP Potential savings of 42.4KB

Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://www.googletagmanager.com/gtag/js?id=GT-NMCXWXL	94.2KB	42.4KB

N/A **Avoid an excessive DOM size** TBT 240 elements

A large DOM will increase memory usage, cause longer style calculations, and produce costly layout reflows.

STATISTIC	ELEMENT	VALUE
Total DOM Elements		240
Maximum DOM Depth	by 3dgenoxdt 	17
Maximum Child Elements	body#top <body id="top" class="home page-template-default page page-id-2 stretched rtl_columns av- curtain..." itemscope="itemscope" itemtype="https://schema.org/WebPage">	25

N/A **Largest Contentful Paint element** LCP 1,870 ms

This is the largest contentful element painted within the viewport.

ELEMENT
Unlocking 3D genomics to transform therapeutic development <h1>

PHASE	% OF LCP	TIMING
TTFB	11%	199ms
Load Delay	0%	0ms
Load Time	0%	0ms
Render Delay	89%	1.7s

N/A **Avoid serving legacy JavaScript to modern browsers** TBT Potential savings of 7.01KB

Polyfills and transforms enable legacy browsers to use new JavaScript features. However, many aren't necessary for modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy using module/nomodule feature detection to reduce the amount of code shipped to modern browsers, while retaining support for legacy browsers.

URL	POTENTIAL SAVINGS
https://enhanc3dgenomics.com/wp-content/themes/enfold/js/avia.js?ver=5.6.10 Line:8 Column:1	7.01KB
<code>Array.isArray</code>	

N/A **Avoid large layout shifts** CLS 2 elements found

These DOM elements contribute most to the CLS of the page.

ELEMENT	CLS CONTRIBUTION
div#main > div#banner > div.av-section-color-overlay-wrap > a.scroll-down-link <code></code>	0.00
COMPANY TECHNOLOGY NEWS & EVENTS CAREERS CONTACT <code><div class="avia-menu av-main-nav-wrap"></code>	0.00

N/A **Minimize main-thread work** TBT Main-thread busy for 710ms

Consider reducing the time spent parsing, compiling and executing JS. You may find delivering smaller JS payloads helps with this.

CATEGORY	TIME SPENT
Other	238ms
Script Evaluation	195ms
Style & Layout	146ms
Parse HTML & CSS	93ms
Script Parsing & Compilation	21ms
Rendering	15ms

N/A

Reduce the impact of third-party code TBT

Total size was 127KB

Third-party code can significantly impact load performance. Limit the number of redundant third-party providers and try to load third-party code after your page has primarily finished loading.

THIRD-PARTY	TRANSFER SIZE	MAIN-THREAD BLOCKING TIME
GOOGLE TAG MANAGER	94.2KB	0ms
• https://www.googletagmanager.com/gtag/js?id=GT-NMCXWXL	94.2KB	0ms
GOOGLE FONTS	32.9KB	0ms
• https://fonts.gstatic.com/s/outfit/v11/QGYvz_MVcBeNP4NjEtq.woff2	32.0KB	0ms
ENHANCEDGENOMICS.COM	0B	0ms

N/A

User Timing marks and measures

No user timings and/or marks found.