

## Performance Report for: <http://missiontherapeutics.com/>

Report generated: Wed, Mar 13, 2024 10:24 PM -0700  
 Test Server Location: London, UK  
 Using: Chrome 117.0.0.0, Lighthouse 11.0.0

|          |             |            |                     |                  |                 |
|----------|-------------|------------|---------------------|------------------|-----------------|
| <b>B</b> | Performance | Structure  | L. Contentful Paint | T. Blocking Time | C. Layout Shift |
|          | <b>92%</b>  | <b>85%</b> | <b>619ms</b>        | <b>111ms</b>     | <b>0</b>        |

### Top Issues

|         |  |                            |
|---------|--|----------------------------|
| Med     | Use explicit width and height on image elements <small>CLS</small> | 1 image found              |
| Med-Low | Use a Content Delivery Network (CDN)                               | 27 resources found         |
| Med-Low | Avoid document.write()   | 1 instance found           |
| Med-Low | Serve static assets with an efficient cache policy                 | Potential savings of 158KB |
| Med-Low | Avoid enormous network payloads <small>LCP</small>                 | Total size was 3.03MB      |

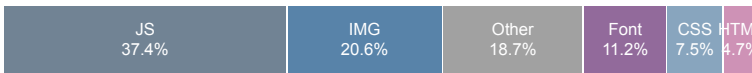
### Page Details



Total Page Size - 3.03MB



Total Page Requests - 107



Legend: 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.

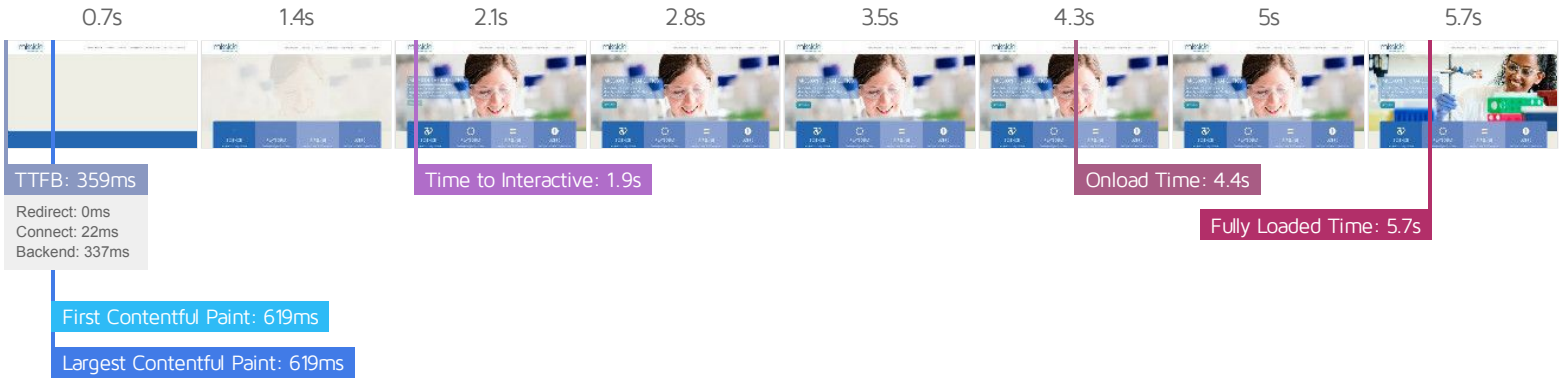
<https://carbon60.com/>

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.

Mission Therapeutics – Deubiquitylating enzymes: m...ltiple drug opportunities across therapeutic areas

| Resource                      | Size       | Source                  | Response Code | Load Time |
|-------------------------------|------------|-------------------------|---------------|-----------|
| /                             | 200        | missiontherapeutics...  | 18.1KB        | 463ms     |
| style.min.css?ver=6.4.3       | 200        | missiontherapeutics...  | 14.5KB        | 18ms      |
| mediaelementplayer-lega...    | 200        | missiontherapeutics...  | 2.87KB        | 16ms      |
| wp-mediaelement.min.cs...     | 200        | missiontherapeutics...  | 1.46KB        | 16ms      |
| avia-merged-styles-84cc8...   | 200        | missiontherapeutics...  | 62.0KB        | 54ms      |
| post-330.css?ver=ver-170...   | 200        | missiontherapeutics...  | 2.23KB        | 30ms      |
| jquery.min.js?ver=3.7.1       | 200        | missiontherapeutics...  | 30.1KB        | 30ms      |
| jquery-migrate.min.js?ver...  | 200        | missiontherapeutics...  | 5.11KB        | 33ms      |
| avia-head-scripts-3eadca...   | 200        | missiontherapeutics...  | 904B          | 28ms      |
| css?family=Open+Sans:4...     | 200        | fonts.googleapis.com    | 2.08KB        | 56ms      |
| mission-therapeutics-web...   | 200        | missiontherapeutics...  | 4.51KB        | 44ms      |
| 12_T.jpg                      | 200        | missiontherapeutics...  | 51.8KB        | 90ms      |
| mission_164_menu.jpg          | 200        | missiontherapeutics...  | 50.5KB        | 108ms     |
| 155_T.jpg                     | 200        | missiontherapeutics...  | 59.8KB        | 90ms      |
| 104_T.jpg                     | 200        | missiontherapeutics...  | 154KB         | 112ms     |
| mission_127_menu.jpg          | 200        | missiontherapeutics...  | 43.8KB        | 106ms     |
| 138_H-1.jpg                   | 200        | missiontherapeutics...  | 94.7KB        | 57ms      |
| 117_H.jpg                     | 200        | missiontherapeutics...  | 129KB         | 82ms      |
| 58_H.jpg                      | 200        | missiontherapeutics...  | 106KB         | 75ms      |
| 48_H.jpg                      | 200        | missiontherapeutics...  | 63.6KB        | 75ms      |
| qtw7fje.js                    | 200        | use.typekit.net         | 6.65KB        | 219ms     |
| mission-circles-web-80x8...   | 301        | withpaul.co.uk          | 0             | 87ms      |
| linkedin_rev.png              | 200        | missiontherapeutics...  | 3.92KB        | 13ms      |
| twitter_rev.png               | 200        | missiontherapeutics...  | 4.20KB        | 17ms      |
| mediaelement-and-player....   | 200        | missiontherapeutics...  | 38.4KB        | 16ms      |
| mediaelement-migrate.mi...    | 200        | missiontherapeutics...  | 906B          | 10ms      |
| wp-mediaelement.min.js?...    | 200        | missiontherapeutics...  | 899B          | 14ms      |
| twitter-widgets.js?ver=1.0    | 200        | missiontherapeutics...  | 685B          | 19ms      |
| avia-footer-scripts-fc9340... | 200        | missiontherapeutics...  | 57.6KB        | 12ms      |
| entypo-fontello.woff2         | 200        | missiontherapeutics...  | 38.6KB        | 137ms     |
| memvYaGs126MiZpBA-U...        | 200        | fonts.gstatic.com       | 47.1KB        | 158ms     |
| mission-circles-web-80x8...   | 404        | withcreative.co.uk      | 418B          | 1.1s      |
| widgets.js                    | 200        | platform.twitter.com    | 27.6KB        | 47ms      |
| l?primer=7cdcb44be4a7d...     | 200        | use.typekit.net         | 31.3KB        | 84ms      |
| l?primer=7cdcb44be4a7d...     | 200        | use.typekit.net         | 20.7KB        | 89ms      |
| l?primer=7cdcb44be4a7d...     | 200        | use.typekit.net         | 32.3KB        | 87ms      |
| l?primer=7cdcb44be4a7d...     | 200        | use.typekit.net         | 31.5KB        | 83ms      |
| l?primer=7cdcb44be4a7d...     | 200        | use.typekit.net         | 22.0KB        | 85ms      |
| l?primer=7cdcb44be4a7d...     | 200        | use.typekit.net         | 20.7KB        | 83ms      |
| uB-yDRgvq60?feature=oe...     | (canceled) | youtube.com             | 0             | 124ms     |
| u5T7MeHxIvo?feature=oe...     | (canceled) | youtube.com             | 0             | 136ms     |
| uB-yDRgvq60?feature=oe...     | 200        | youtube.com             | 38.0KB        | 94ms      |
| u5T7MeHxIvo?feature=oe...     | 200        | youtube.com             | 37.6KB        | 117ms     |
| p.gif?s=1&k=qtw7fje&ht=t...   | 200        | p.typekit.net           | 35B           | 52ms      |
| widget_iframe.2f70fb173b...   | 200        | platform.twitter.com    | 104KB         | 50ms      |
| www-player.css                | 200        | youtube.com             | 46.8KB        | 43ms      |
| embed.js                      | 200        | youtube.com             | 17.6KB        | 20ms      |
| www-embed-player.js           | 200        | youtube.com             | 95.3KB        | 62ms      |
| base.js                       | 200        | youtube.com             | 780KB         | 164ms     |
| KFOmCnqEu92Fr1Mu4mx...        | 200        | fonts.gstatic.com       | 15.0KB        | 85ms      |
| KFOICnqEu92Fr1MmEU9f...       | 200        | fonts.gstatic.com       | 15.2KB        | 86ms      |
| www-player.css                | 200        | youtube.com             | 0             | 0ms       |
| settings?session_id=ba6...    | 200        | syndication.twitter.com | 337B          | 167ms     |

|                            |               |                              |                          |                      |  |
|----------------------------|---------------|------------------------------|--------------------------|----------------------|--|
| embed.js                   | 200           | youtube.com                  | 0                        | 3ms                  |  |
| www-embed-player.js        | 200           | youtube.com                  | 0                        | 0ms                  |  |
| base.js                    | 200           | youtube.com                  | 0                        | 398ms                |  |
| KFOmCnqEu92Fr1Mu4mx...     | 200           | fonts.gstatic.com            | 0                        | 0ms                  |  |
| KFOICnqEu92Fr1MmEU9f...    | 200           | fonts.gstatic.com            | 0                        | 0ms                  |  |
| timeline.e108540dddc96e... | 200           | platform.twitter.com         | 3.51KB                   | 15ms                 |  |
| missiontherapeu?dnt=fal... | 200           | syndication.twitter.com      | 1.81KB                   | 144ms                |  |
| runtime-a697c5a1ae32bd...  | 200           | platform.twitter.com         | 2.79KB                   | 18ms                 |  |
| modules.20f98d7498a590...  | 200           | platform.twitter.com         | 94.2KB                   | 73ms                 |  |
| main-fd9ef5eb169057cda...  | 200           | platform.twitter.com         | 684B                     | 54ms                 |  |
| _app-88bf420a57d49e33b...  | 200           | platform.twitter.com         | 1.26KB                   | 58ms                 |  |
| %5BscreenName%5D-c33...    | 200           | platform.twitter.com         | 1.87KB                   | 59ms                 |  |
| _buildManifest.js          | 200           | platform.twitter.com         | 1.05KB                   | 60ms                 |  |
| _ssgManifest.js            | 200           | platform.twitter.com         | 670B                     | 71ms                 |  |
| 2.691622e4391d1973cb65.js  | 200           | platform.twitter.com         | 8.11KB                   | 16ms                 |  |
| 16.f331e94703acc65738d5... | 200           | platform.twitter.com         | 12.5KB                   | 15ms                 |  |
| 0.9098e7e4385bbbc1cefe.js  | 200           | platform.twitter.com         | 76.7KB                   | 39ms                 |  |
| 4.1579d566fe7ef23f99dd.js  | 200           | platform.twitter.com         | 62.9KB                   | 33ms                 |  |
| 1.2a1457a8c568f153384.js   | 200           | platform.twitter.com         | 49.2KB                   | 37ms                 |  |
| 3.623849758c2a16a878a7.js  | 200           | platform.twitter.com         | 161KB                    | 39ms                 |  |
| 6.902e7a204f7eea980629.js  | 200           | platform.twitter.com         | 1.86KB                   | 34ms                 |  |
| ondemand.Dropdown.089...   | 200           | platform.twitter.com         | 3.37KB                   | 18ms                 |  |
| jot?l=%7B%22_category_...  | 200           | syndication.twitter.com      | 43B                      | 123ms                |  |
| id                         | 302           | googleads.g.doublec...       | 0                        | 35ms                 |  |
| id?sif_rd=1                | 302           | googleads.g.doublec...       | 0                        | 34ms                 |  |
| ad_status.js               | 200           | static.doubleclick.net       | 29B                      | 45ms                 |  |
| id                         | 302           | googleads.g.doublec...       | 0                        | 13ms                 |  |
| id?sif_rd=1                | 302           | googleads.g.doublec...       | 0                        | 10ms                 |  |
| ad_status.js               | 200           | static.doubleclick.net       | 0                        | 3ms                  |  |
| POST Create                | 200           | jnn-pa.googleapis.com        | 40.4KB                   | 80ms                 |  |
| OPTIONS Create             | 200           | jnn-pa.googleapis.com        | 0                        | 50ms                 |  |
| remote.js                  | 200           | youtube.com                  | 33.0KB                   | 16ms                 |  |
| UPWL4C2tRDXgPeT8xH1...     | 200           | google.com                   | 19.6KB                   | 29ms                 |  |
| sddefault.webp             | 200           | i.ytimg.com                  | 17.6KB                   | 53ms                 |  |
| Aldro_msB0UG_FBTL0h_...    | 200           | yt3.ggpht.com                | 1.99KB                   | 465ms                |  |
| id?sif_rd=1                | 200           | googleads.g.doublec...       | 146B                     | 14ms                 |  |
| id?sif_rd=1                | 200           | googleads.g.doublec...       | 146B                     | 22ms                 |  |
| POST Create                | 200           | jnn-pa.googleapis.com        | 40.3KB                   | 24ms                 |  |
| remote.js                  | 200           | youtube.com                  | 0                        | 4ms                  |  |
| UPWL4C2tRDXgPeT8xH1...     | 200           | google.com                   | 0                        | 4ms                  |  |
| sddefault.jpg?sqp=-oaym... | 200           | i.ytimg.com                  | 22.5KB                   | 64ms                 |  |
| Aldro_msB0UG_FBTL0h_...    | 200           | yt3.ggpht.com                | 1.99KB                   | 303ms                |  |
| POST GenerateIT            | 200           | jnn-pa.googleapis.com        | 134B                     | 30ms                 |  |
| OPTIONS GenerateIT         | 200           | jnn-pa.googleapis.com        | 0                        | 14ms                 |  |
| POST GenerateIT            | 200           | jnn-pa.googleapis.com        | 134B                     | 23ms                 |  |
| cast_sender.js             | 200           | gstatic.com                  | 1.96KB                   | 44ms                 |  |
| cast_sender.js             | 200           | gstatic.com                  | 1.96KB                   | 35ms                 |  |
| generate_204?Snai_Q        | 204           | youtube.com                  | 0                        | 15ms                 |  |
| generate_204?nvccNQ        | 204           | youtube.com                  | 0                        | 6ms                  |  |
| favicon-2.png              | 200           | missiontherapeutics...       | 742B                     | 6ms                  |  |
| favicon.png                | 200           | missiontherapeutics...       | 739B                     | 5ms                  |  |
| icon-32x32.png             | 200           | missiontherapeutics...       | 3.28KB                   | 4ms                  |  |
| POST log_event?alt=json... | 200           | youtube.com                  | 50B                      | 20ms                 |  |
| POST log_event?alt=json... | 200           | youtube.com                  | 50B                      | 18ms                 |  |
| <b>107 Requests</b>        | <b>3.03MB</b> | <b>(20.1MB Uncompressed)</b> | <b>Fully Loaded 5.7s</b> | <b>(Onload 4.4s)</b> |  |



### Performance Metrics

|  |  |   |  |
|--|--|---|--|
| <p><b>First Contentful Paint</b></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><b>619ms</b></p>   | <p><b>Time to Interactive</b></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><b>1.9s</b></p>  |
| <p><b>Speed Index</b></p> <p>How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.</p>  | <p>Much longer than recommended</p> <p><b>2.6s</b></p> | <p><b>Total Blocking Time</b></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><b>111ms</b></p> |
| <p><b>Largest Contentful Paint</b></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>Good - Nothing to do here</p> <p><b>619ms</b></p>   | <p><b>Cumulative Layout Shift</b></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><b>0</b></p>     |

### Browser Timings

|            |       |             |       |              |       |
|------------|-------|-------------|-------|--------------|-------|
| Redirect   | 0ms   | Connect     | 22ms  | Backend      | 337ms |
| TTFB       | 359ms | First Paint | 619ms | DOM Int.     | 893ms |
| DOM Loaded | 896ms | Onload      | 4.4s  | Fully Loaded | 5.7s  |

IMPACT AUDIT

Med-Low

Lazy load third-party resources with facades TBT

1 facade alternative available

Some third-party embeds can be lazy loaded. Consider replacing them with a facade until they are required.

| PRODUCT   | TRANSFER SIZE | MAIN-THREAD BLOCKING TIME |
|---|---------------|---------------------------|
| YouTube Embedded Player (Video)   | 1.07MB        | 0ms                       |
| <a href="https://www.youtube.com/s/player/e04b3b4c/player_ias.vflset/en_US/base.js">https://www.youtube.com/s/player/e04b3b4c/player_ias.vflset/en_US/base.js</a>   | 781KB         | 0ms                       |
| <a href="https://www.youtube.com/s/player/e04b3b4c/www-embed-player.vflset/www-embed-player.js">https://www.youtube.com/s/player/e04b3b4c/www-embed-player.vflset/www-embed-player.js</a>   | 95.5KB        | 0ms                       |
| <a href="https://www.youtube.com/s/player/e04b3b4c/www-player.css">https://www.youtube.com/s/player/e04b3b4c/www-player.css</a>   | 47.1KB        | 0ms                       |
| <a href="https://www.youtube.com/embed/uB-yDRgvq60?feature=oembed&amp;autoplay=0&amp;loop=0&amp;controls=1&amp;mute=0&amp;wmode=opaque&amp;rel=0">https://www.youtube.com/embed/uB-yDRgvq60?feature=oembed&amp;autoplay=0&amp;loop=0&amp;controls=1&amp;mute=0&amp;wmode=opaque&amp;rel=0</a> | 38.0KB        | 0ms                       |
| <a href="https://www.youtube.com/embed/u5T7MeHxlv0?feature=oembed&amp;autoplay=0&amp;loop=0&amp;controls=1&amp;mute=0&amp;wmode=opaque&amp;rel=0">https://www.youtube.com/embed/u5T7MeHxlv0?feature=oembed&amp;autoplay=0&amp;loop=0&amp;controls=1&amp;mute=0&amp;wmode=opaque&amp;rel=0</a> | 37.6KB        | 0ms                       |
| Other resources   | 93.7KB        | 0ms                       |

Low

Avoid long main-thread tasks TBT

7 long tasks found

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

| URL   | START TIME | DURATION |
|---|------------|----------|
| <a href="http://missiontherapeutics.com/">http://missiontherapeutics.com/</a>   | 569ms      | 113ms    |
| <a href="http://missiontherapeutics.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1">http://missiontherapeutics.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1</a>   | 898ms      | 102ms    |
| <a href="http://missiontherapeutics.com/">http://missiontherapeutics.com/</a>   | 1.5s       | 71ms     |
| <a href="https://platform.twitter.com/widgets.js">https://platform.twitter.com/widgets.js</a>   | 1.2s       | 64ms     |
| <a href="http://missiontherapeutics.com/">http://missiontherapeutics.com/</a>   | 490ms      | 57ms     |
| <a href="http://missiontherapeutics.com/wp-includes/js/mediaelement/mediaelement-migrate.min.js?ver=6.4.3">http://missiontherapeutics.com/wp-includes/js/mediaelement/mediaelement-migrate.min.js?ver=6.4.3</a> | 782ms      | 55ms     |
| <a href="https://platform.twitter.com/widgets.js">https://platform.twitter.com/widgets.js</a>   | 1.9s       | 53ms     |

Low

Eliminate render-blocking resources FCP LCP

Potential savings of 32ms

Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline and deferring all non-critical JS/styles.

Resources that **may** be contributing to render-blocking include:

| URL   | TRANSFER SIZE | DOWNLOAD TIME |
|---|---------------|---------------|
| <a href="http://missiontherapeutics.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3">http://missiontherapeutics.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3</a>   | 14.5KB        | 613ms         |
| <a href="http://missiontherapeutics.com/wp-includes/js/mediaelement/mediaelementplayer-legacy.min.css?ver=4.2.17">http://missiontherapeutics.com/wp-includes/js/mediaelement/mediaelementplayer-legacy.min.css?ver=4.2.17</a>   | 2.87KB        | 308ms         |
| <a href="http://missiontherapeutics.com/wp-includes/js/mediaelement/wp-mediaelement.min.css?ver=6.4.3">http://missiontherapeutics.com/wp-includes/js/mediaelement/wp-mediaelement.min.css?ver=6.4.3</a>   | 1.46KB        | 308ms         |
| <a href="http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-merged-styles-84cc85eb9802f6e80c6b0bf018f6bd70--64d35af23dcf1.css">http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-merged-styles-84cc85eb9802f6e80c6b0bf018f6bd70--64d35af23dcf1.css</a> | 62.0KB        | 1.2s          |
| <a href="http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia_posts_css/post-330.css?ver=ver-1709735128">http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia_posts_css/post-330.css?ver=ver-1709735128</a>   | 2.23KB        | 308ms         |
| <a href="http://missiontherapeutics.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1">http://missiontherapeutics.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1</a>   | 30.1KB        | 918ms         |
| <a href="http://missiontherapeutics.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.1">http://missiontherapeutics.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.1</a>   | 5.11KB        | 460ms         |
| <a href="http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-head-scripts-3eadca39e077d2aefa636c7ea5c2bfd7--64d33c89f03e9.js">http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-head-scripts-3eadca39e077d2aefa636c7ea5c2bfd7--64d33c89f03e9.js</a>     | 904B          | 308ms         |

Low

Use HTTP/2 for all resources

Potential savings of 80ms

HTTP/2 offers many benefits over HTTP/1.1, including binary headers and multiplexing.

| URL   | PROTOCOL |
|---|----------|
| <a href="http://missiontherapeutics.com/">http://missiontherapeutics.com/</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3">http://missiontherapeutics.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-includes/js/mediaelement/mediaelementplayer-legacy.min.css?ver=4.2.17">http://missiontherapeutics.com/wp-includes/js/mediaelement/mediaelementplayer-legacy.min.css?ver=4.2.17</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-includes/js/mediaelement/wp-mediaelement.min.css?ver=6.4.3">http://missiontherapeutics.com/wp-includes/js/mediaelement/wp-mediaelement.min.css?ver=6.4.3</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-merged-styles-84cc85eb9802f6e80c6b0bf018f6bd70---64d35af23dcf1.css">http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-merged-styles-84cc85eb9802f6e80c6b0bf018f6bd70---64d35af23dcf1.css</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia_posts_css/post-330.css?ver=ver-1709735128">http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia_posts_css/post-330.css?ver=ver-1709735128</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1">http://missiontherapeutics.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.1">http://missiontherapeutics.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.1</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-head-scripts-3eadca39e077d2aefa636c7ea5c2bfd---64d33c89f03e9.js">http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-head-scripts-3eadca39e077d2aefa636c7ea5c2bfd---64d33c89f03e9.js</a>         | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2017/04/mission-therapeutics-web-1.png">http://missiontherapeutics.com/wp-content/uploads/2017/04/mission-therapeutics-web-1.png</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/07/12_T.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/07/12_T.jpg</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2021/02/mission_164_menu.jpg">http://missiontherapeutics.com/wp-content/uploads/2021/02/mission_164_menu.jpg</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/07/155_T.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/07/155_T.jpg</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/07/104_T.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/07/104_T.jpg</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2021/02/mission_127_menu.jpg">http://missiontherapeutics.com/wp-content/uploads/2021/02/mission_127_menu.jpg</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/02/138_H-1.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/02/138_H-1.jpg</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/02/117_H.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/02/117_H.jpg</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/02/58_H.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/02/58_H.jpg</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/02/48_H.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/02/48_H.jpg</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2017/07/linkedin_rev.png">http://missiontherapeutics.com/wp-content/uploads/2017/07/linkedin_rev.png</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2017/07/twitter_rev.png">http://missiontherapeutics.com/wp-content/uploads/2017/07/twitter_rev.png</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.17">http://missiontherapeutics.com/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.17</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-includes/js/mediaelement/mediaelement-migrate.min.js?ver=6.4.3">http://missiontherapeutics.com/wp-includes/js/mediaelement/mediaelement-migrate.min.js?ver=6.4.3</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-includes/js/mediaelement/wp-mediaelement.min.js?ver=6.4.3">http://missiontherapeutics.com/wp-includes/js/mediaelement/wp-mediaelement.min.js?ver=6.4.3</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-content/plugins/easy-twitter-feed-widget/js/twitter-widgets.js?ver=1.0">http://missiontherapeutics.com/wp-content/plugins/easy-twitter-feed-widget/js/twitter-widgets.js?ver=1.0</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-footer-scripts-fc934023fc4878d135650ce605528dd6---64d35af255eee.js">http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-footer-scripts-fc934023fc4878d135650ce605528dd6---64d35af255eee.js</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-content/themes/enfold/config-templatebuilder/avia-template-builder/assets/fonts/entypo-fontello.woff2">http://missiontherapeutics.com/wp-content/themes/enfold/config-templatebuilder/avia-template-builder/assets/fonts/entypo-fontello.woff2</a> | http/1.1 |
| <a href="https://platform.twitter.com/widgets.js">https://platform.twitter.com/widgets.js</a>   | http/1.1 |
| <a href="https://platform.twitter.com/widgets/widget_iframe.2f70fb173b900da126c79afe2098f02.html?origin=http%3A%2F%2Fmissiontherapeutics.com">https://platform.twitter.com/widgets/widget_iframe.2f70fb173b900da126c79afe2098f02.html?origin=http%3A%2F%2Fmissiontherapeutics.com</a>         | http/1.1 |
| <a href="https://platform.twitter.com/js/timeline.e108540dddc96e4b707f5cf259a582d7.js">https://platform.twitter.com/js/timeline.e108540dddc96e4b707f5cf259a582d7.js</a>   | http/1.1 |
| <a href="https://platform.twitter.com/_next/static/chunks/runtime-a697c5a1ae32bd7e4d42.js">https://platform.twitter.com/_next/static/chunks/runtime-a697c5a1ae32bd7e4d42.js</a>   | http/1.1 |
| <a href="https://platform.twitter.com/_next/static/chunks/modules.20f98d7498a59035a762.js">https://platform.twitter.com/_next/static/chunks/modules.20f98d7498a59035a762.js</a>   | http/1.1 |
| <a href="https://platform.twitter.com/_next/static/chunks/main-fd9ef5eb169057cda26d.js">https://platform.twitter.com/_next/static/chunks/main-fd9ef5eb169057cda26d.js</a>   | http/1.1 |
| <a href="https://platform.twitter.com/_next/static/chunks/pages/_app-88bf420a57d49e33be53.js">https://platform.twitter.com/_next/static/chunks/pages/_app-88bf420a57d49e33be53.js</a>   | http/1.1 |
| <a href="https://platform.twitter.com/_next/static/chunks/pages/timeline-profile/screen-name/%5BscreenName%5D-c33f0b02841cfc3e9b4.js">https://platform.twitter.com/_next/static/chunks/pages/timeline-profile/screen-name/%5BscreenName%5D-c33f0b02841cfc3e9b4.js</a>                         | http/1.1 |
| <a href="https://platform.twitter.com/_next/static/pc7SXdl2p34p0Y95uXWdAV_buildManifest.js">https://platform.twitter.com/_next/static/pc7SXdl2p34p0Y95uXWdAV_buildManifest.js</a>   | http/1.1 |
| <a href="https://platform.twitter.com/_next/static/pc7SXdl2p34p0Y95uXWdAV_ssgManifest.js">https://platform.twitter.com/_next/static/pc7SXdl2p34p0Y95uXWdAV_ssgManifest.js</a>   | http/1.1 |
| <a href="https://platform.twitter.com/_next/static/chunks/2.691622e4391d1973cb65.js">https://platform.twitter.com/_next/static/chunks/2.691622e4391d1973cb65.js</a>   | http/1.1 |
| <a href="https://platform.twitter.com/_next/static/chunks/16.f331e94703acc65738d5.js">https://platform.twitter.com/_next/static/chunks/16.f331e94703acc65738d5.js</a>   | http/1.1 |
| <a href="https://platform.twitter.com/_next/static/chunks/0.9098e7e4385bbbc1cefe.js">https://platform.twitter.com/_next/static/chunks/0.9098e7e4385bbbc1cefe.js</a>   | http/1.1 |
| <a href="https://platform.twitter.com/_next/static/chunks/4.1579d566fe7ef23f99dd.js">https://platform.twitter.com/_next/static/chunks/4.1579d566fe7ef23f99dd.js</a>   | http/1.1 |
| <a href="https://platform.twitter.com/_next/static/chunks/1.2a1457a8c568f1533384.js">https://platform.twitter.com/_next/static/chunks/1.2a1457a8c568f1533384.js</a>   | http/1.1 |
| <a href="https://platform.twitter.com/_next/static/chunks/3.623849758c2a16a878a7.js">https://platform.twitter.com/_next/static/chunks/3.623849758c2a16a878a7.js</a>   | http/1.1 |
| <a href="https://platform.twitter.com/_next/static/chunks/6.902e7a204f7eea980629.js">https://platform.twitter.com/_next/static/chunks/6.902e7a204f7eea980629.js</a>   | http/1.1 |
| <a href="https://platform.twitter.com/_next/static/chunks/ondemand.Dropdown.0890ced0fe3b29a4c947.js">https://platform.twitter.com/_next/static/chunks/ondemand.Dropdown.0890ced0fe3b29a4c947.js</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2017/07/favicon-2.png">http://missiontherapeutics.com/wp-content/uploads/2017/07/favicon-2.png</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2017/07/favicon.png">http://missiontherapeutics.com/wp-content/uploads/2017/07/favicon.png</a>   | http/1.1 |
| <a href="http://missiontherapeutics.com/icon-32x32.png">http://missiontherapeutics.com/icon-32x32.png</a>   | http/1.1 |

Low

Avoid an excessive DOM size TBT

514 elements

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

| STATISTIC              | ELEMENT   | VALUE |
|------------------------|---|-------|
| Total DOM Elements     |   | 514   |
| Maximum DOM Depth      | ul.sub-menu > li#menu-item-1356 > a > span.avia-bullet<br><span class="avia-bullet">  | 17    |
| Maximum Child Elements | body#top<br><body id="top" class="home page-template-default page page-id-330 stretched rtl_columns av-curta..." itemscope="itemscope" itemtype="https://schema.org/WebPage"> | 13    |

Low

## Properly size images

Potential savings of 367KB

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

| URL   | RESOURCE SIZE | POTENTIAL SAVINGS |
|---|---------------|-------------------|
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/07/104_T.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/07/104_T.jpg</a>                       | 154KB         | 134KB             |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/07/155_T.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/07/155_T.jpg</a>                       | 59.5KB        | 51.7KB            |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/07/12_T.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/07/12_T.jpg</a>                         | 51.5KB        | 44.3KB            |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2021/02/mission_164_menu.jpg">http://missiontherapeutics.com/wp-content/uploads/2021/02/mission_164_menu.jpg</a> | 50.2KB        | 43.2KB            |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2021/02/mission_127_menu.jpg">http://missiontherapeutics.com/wp-content/uploads/2021/02/mission_127_menu.jpg</a> | 43.5KB        | 37.5KB            |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/02/117_H.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/02/117_H.jpg</a>                       | 128KB         | 22.0KB            |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/02/58_H.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/02/58_H.jpg</a>                         | 105KB         | 18.1KB            |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/02/138_H-1.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/02/138_H-1.jpg</a>                   | 94.4KB        | 16.2KB            |

Low

Ensure text remains visible during webfont load FCP LCP

8 fonts found

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

| URL   | POTENTIAL SAVINGS |
|---|-------------------|
| <a href="http://missiontherapeutics.com/wp-content/themes/enfold/config-templatebuilder/avia-template-builder/assets/fonts/entypo-fontello.woff2">http://missiontherapeutics.com/wp-content/themes/enfold/config-templatebuilder/avia-template-builder/assets/fonts/entypo-fontello.woff2</a>                                       | 12ms              |
| <a href="https://fonts.gstatic.com/s/opensans/v40/memvYaGs126MiZpBA-UvWbX2vVnXBbObj2OVTS-muw.woff2">https://fonts.gstatic.com/s/opensans/v40/memvYaGs126MiZpBA-UvWbX2vVnXBbObj2OVTS-muw.woff2</a>   | 33ms              |
| <a href="https://use.typekit.net/af/332c60/000000000000000003b9adbd0/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n4&amp;v=3">https://use.typekit.net/af/332c60/000000000000000003b9adbd0/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n4&amp;v=3</a> | 28ms              |
| <a href="https://use.typekit.net/af/96c89c/000000000000000003b9adbd2/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=i3&amp;v=3">https://use.typekit.net/af/96c89c/000000000000000003b9adbd2/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=i3&amp;v=3</a> | 34ms              |
| <a href="https://use.typekit.net/af/eaf692/000000000000000003b9adbd8/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n7&amp;v=3">https://use.typekit.net/af/eaf692/000000000000000003b9adbd8/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n7&amp;v=3</a> | 33ms              |
| <a href="https://use.typekit.net/af/c93bdc/000000000000000003b9adbd8/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n3&amp;v=3">https://use.typekit.net/af/c93bdc/000000000000000003b9adbd8/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n3&amp;v=3</a> | 29ms              |
| <a href="https://use.typekit.net/af/bd2066/000000000000000003b9adbd8/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=i7&amp;v=3">https://use.typekit.net/af/bd2066/000000000000000003b9adbd8/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=i7&amp;v=3</a> | 31ms              |
| <a href="https://use.typekit.net/af/220525/000000000000000003b9adbd8/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=i4&amp;v=3">https://use.typekit.net/af/220525/000000000000000003b9adbd8/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=i4&amp;v=3</a> | 29ms              |

Low

Reduce JavaScript execution time TBT

354ms 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 |
|---|----------------|-------------------|--------------|
| • <a href="http://missiontherapeutics.com/">http://missiontherapeutics.com/</a>   | 635ms          | 20ms              | 2ms          |
| • <a href="http://missiontherapeutics.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1">http://missiontherapeutics.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1</a>   | 305ms          | 169ms             | 3ms          |
| • <a href="https://platform.twitter.com/widgets.js">https://platform.twitter.com/widgets.js</a>   | 188ms          | 73ms              | 4ms          |
| • Unattributable  | 165ms          | 16ms              | 0ms          |
| • <a href="http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-footer-scripts-fc934023fc4878d135650ce605528dd6--64d35af255eee.js">http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-footer-scripts-fc934023fc4878d135650ce605528dd6--64d35af255eee.js</a> | 82ms           | 60ms              | 3ms          |

**Low** **Reduce unused CSS** FCP LCP Potential savings of 68.8KB

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 |
|---|---------------|-------------------|
| • <a href="http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-merged-styles-84cc85eb9802f6e80c6b0bf018f6bd70--64d35af23dcf1.css">http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-merged-styles-84cc85eb9802f6e80c6b0bf018f6bd70--64d35af23dcf1.css</a> | 62.0KB        | 54.3KB            |
| • <a href="http://missiontherapeutics.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3">http://missiontherapeutics.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3</a>   | 14.5KB        | 14.4KB            |

**Low** **Serve images in next-gen formats** Potential savings of 369KB

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 |
|---|---------------|-------------------|
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/07/104_T.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/07/104_T.jpg</a>                       | 154KB         | 65.3KB            |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/02/117_H.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/02/117_H.jpg</a>                       | 128KB         | 64.7KB            |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/02/58_H.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/02/58_H.jpg</a>                         | 105KB         | 55.8KB            |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/02/138_H-1.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/02/138_H-1.jpg</a>                   | 94.4KB        | 47.1KB            |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/02/48_H.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/02/48_H.jpg</a>                         | 63.3KB        | 35.2KB            |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/07/155_T.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/07/155_T.jpg</a>                       | 59.5KB        | 29.8KB            |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/07/12_T.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/07/12_T.jpg</a>                         | 51.5KB        | 26.7KB            |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2021/02/mission_164_menu.jpg">http://missiontherapeutics.com/wp-content/uploads/2021/02/mission_164_menu.jpg</a> | 50.2KB        | 23.9KB            |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2021/02/mission_127_menu.jpg">http://missiontherapeutics.com/wp-content/uploads/2021/02/mission_127_menu.jpg</a> | 43.5KB        | 20.0KB            |

**Low** **Reduce initial server response time** FCP LCP Root document took 337ms

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

| URL   | TIME SPENT |
|---|------------|
| • <a href="http://missiontherapeutics.com/">http://missiontherapeutics.com/</a> | 337ms      |

**Low** **Defer offscreen images** Potential savings of 358KB

Consider lazy-loading offscreen and hidden images after all critical resources have finished loading to lower time to interactive.



| URL   | RESOURCE SIZE | POTENTIAL SAVINGS |
|---|---------------|-------------------|
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/07/104_T.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/07/104_T.jpg</a>                       | 154KB         | 154KB             |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/07/155_T.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/07/155_T.jpg</a>                       | 59.5KB        | 59.5KB            |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2016/07/12_T.jpg">http://missiontherapeutics.com/wp-content/uploads/2016/07/12_T.jpg</a>                         | 51.5KB        | 51.5KB            |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2021/02/mission_164_menu.jpg">http://missiontherapeutics.com/wp-content/uploads/2021/02/mission_164_menu.jpg</a> | 50.2KB        | 50.2KB            |
| <a href="http://missiontherapeutics.com/wp-content/uploads/2021/02/mission_127_menu.jpg">http://missiontherapeutics.com/wp-content/uploads/2021/02/mission_127_menu.jpg</a> | 43.5KB        | 43.5KB            |

**Low** **Avoid non-composited animations** CLS 4 animated elements found

Animations which are not composited can be janky and increase CLS.

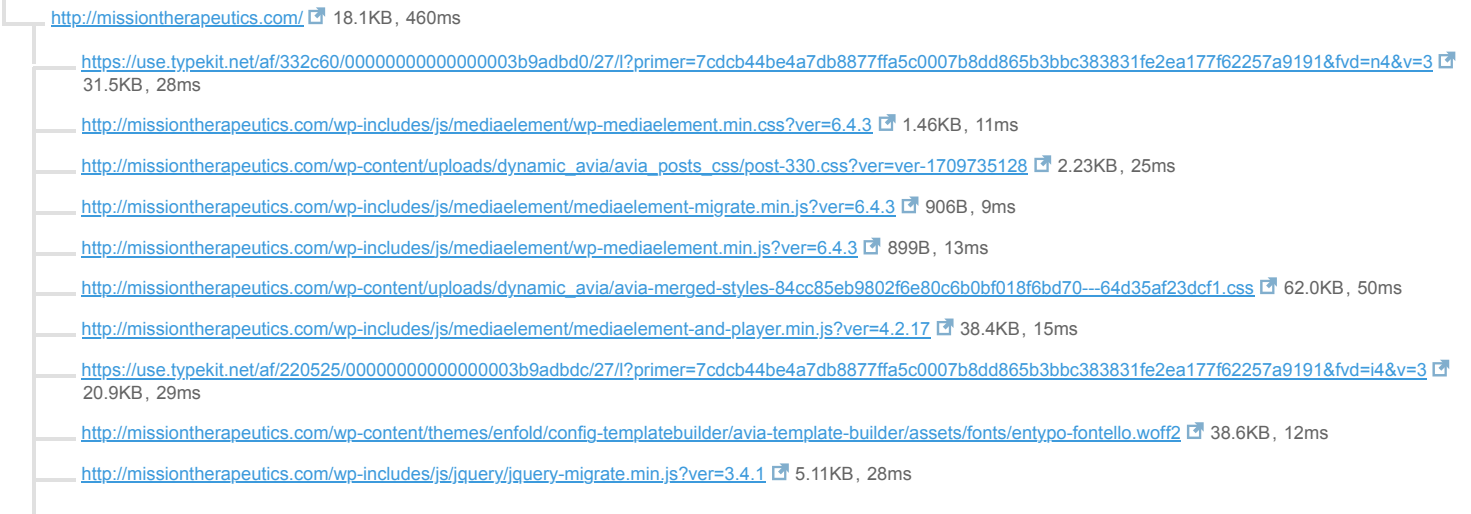
| ELEMENT   | NAME             |
|---|------------------|
| div.slideshow_caption > div.slideshow_inner_caption > div.slideshow_align_caption > a.avia-slideshow-button<br><pre>&lt;a href="http://missiontherapeutics.com/about-mission/" class="avia-slideshow-button avia-button avia-color-theme-color " data-duration="800" data-easing="easeInOutQuad"&gt;</pre>        |                  |
| Unsupported CSS Property: visibility  | visibility       |
| Unsupported CSS Property: visibility  | visibility       |
| 2   |                  |
| <pre>&lt;a href="#2" class="goto-slide"&gt;</pre>   |                  |
| Unsupported CSS Property: background-color  | background-color |
| 1   |                  |
| <pre>&lt;a href="#1" class="goto-slide"&gt;</pre>   |                  |
| Unsupported CSS Property: background-color  | background-color |
| div.slideshow_caption > div.slideshow_inner_caption > div.slideshow_align_caption > a.avia-slideshow-button<br><pre>&lt;a href="http://missiontherapeutics.com/science/dub-platform/" class="avia-slideshow-button avia-button avia-color-theme-color " data-duration="800" data-easing="easeInOutQuad"&gt;</pre> |                  |
| Unsupported CSS Property: visibility  | visibility       |

**Low** **Avoid chaining critical requests** FCP LCP 21 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: **930ms**

INITIAL NAVIGATION



|   |              |
|---|--------------|
| <a href="http://missiontherapeutics.com/wp-content/plugins/easy-twitter-feed-widget/js/twitter-widgets.js?ver=1.0">http://missiontherapeutics.com/wp-content/plugins/easy-twitter-feed-widget/js/twitter-widgets.js?ver=1.0</a>   | 685B, 6ms    |
| <a href="https://use.typekit.net/af/bd2066/000000000000000003b9adbd8/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=i7&amp;v=3">https://use.typekit.net/af/bd2066/000000000000000003b9adbd8/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=i7&amp;v=3</a> | 22.2KB, 31ms |
| <a href="https://use.typekit.net/af/eaf692/000000000000000003b9adbd8/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n7&amp;v=3">https://use.typekit.net/af/eaf692/000000000000000003b9adbd8/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n7&amp;v=3</a> | 32.5KB, 33ms |
| <a href="http://missiontherapeutics.com/wp-includes/js/mediaelement/mediaelementplayer-legacy.min.css?ver=4.2.17">http://missiontherapeutics.com/wp-includes/js/mediaelement/mediaelementplayer-legacy.min.css?ver=4.2.17</a>   | 2.87KB, 12ms |
| <a href="https://use.typekit.net/af/c93bdc/000000000000000003b9adbd8/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n3&amp;v=3">https://use.typekit.net/af/c93bdc/000000000000000003b9adbd8/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n3&amp;v=3</a> | 31.7KB, 29ms |
| <a href="http://missiontherapeutics.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3">http://missiontherapeutics.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3</a>   | 14.5KB, 14ms |
| <a href="http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-head-scripts-3eadca39e077d2aefa636c7ea5c2bfdd---64d33c89f03e9.js">http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-head-scripts-3eadca39e077d2aefa636c7ea5c2bfdd---64d33c89f03e9.js</a>   | 904B, 24ms   |
| <a href="https://use.typekit.net/af/96c89c/000000000000000003b9adbd8/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=i3&amp;v=3">https://use.typekit.net/af/96c89c/000000000000000003b9adbd8/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=i3&amp;v=3</a> | 20.9KB, 34ms |
| <a href="http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-footer-scripts-fc934023fc4878d135650ce605528dd6---64d35af255eee.js">http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-footer-scripts-fc934023fc4878d135650ce605528dd6---64d35af255eee.js</a>   | 57.6KB, 9ms  |
| <a href="http://missiontherapeutics.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1">http://missiontherapeutics.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1</a>   | 30.1KB, 25ms |
| <a href="https://fonts.googleapis.com/css?family=Open+Sans:400,600&amp;display=auto">https://fonts.googleapis.com/css?family=Open+Sans:400,600&amp;display=auto</a>   | 2.08KB, 54ms |
| <a href="https://fonts.gstatic.com/s/opensans/v40/memvYaGs126MiZpBA-UvWbX2vVnXBbObj2OVTS-muw.woff2">https://fonts.gstatic.com/s/opensans/v40/memvYaGs126MiZpBA-UvWbX2vVnXBbObj2OVTS-muw.woff2</a>   | 47.6KB, 33ms |

**Low** **Reduce unused JavaScript** LCP Potential savings of 67.0KB

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

| URL   | TRANSFER SIZE | POTENTIAL SAVINGS |
|---|---------------|-------------------|
| <a href="http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-footer-scripts-fc934023fc4878d135650ce605528dd6---64d35af255eee.js">http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-footer-scripts-fc934023fc4878d135650ce605528dd6---64d35af255eee.js</a> | 57.6KB        | 35.6KB            |
| <a href="http://missiontherapeutics.com/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.17">http://missiontherapeutics.com/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.17</a>   | 38.4KB        | 31.3KB            |

**N/A** **Largest Contentful Paint element** LCP 620 ms

This is the largest contentful element painted within the viewport.

**ELEMENT**

Mission Therapeutics

```

```

| PHASE        | % OF LCP | TIMING |
|--------------|----------|--------|
| TTFB         | 58%      | 359ms  |
| Load Delay   | 12%      | 76ms   |
| Load Time    | 2%       | 12ms   |
| Render Delay | 28%      | 171ms  |

**N/A** **Avoid serving legacy JavaScript to modern browsers** TBT Potential savings of 7.11KB

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 |
|---|-------------------|
| <a href="http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-footer-scripts-fc934023fc4878d135650ce605528dd6---64d35af255eee.js">http://missiontherapeutics.com/wp-content/uploads/dynamic_avia/avia-footer-scripts-fc934023fc4878d135650ce605528dd6---64d35af255eee.js</a> | 7.06KB            |
| Line:6 Column:8822<br><a href="http://missiontherapeutics.com/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.17">http://missiontherapeutics.com/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.17</a>   | 54B               |
| Line:11 Column:12531  |                   |

Array.isArray

@babel/plugin-transform-classes

N/A **Avoid large layout shifts** CLS 1 element found

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

| ELEMENT  | CLS CONTRIBUTION |
|--|------------------|
| ABOUT MISSION SCIENCE PIPELINE PARTNERING MEDIA CENTRE CAREERS CONTACT<br><div class="avia-menu av-main-nav-wrap"> | 0.00             |

N/A **Minimize main-thread work** TBT Main-thread busy for 1.4s

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

| CATEGORY                     | TIME SPENT |
|------------------------------|------------|
| Other                        | 559ms      |
| Style & Layout               | 388ms      |
| Script Evaluation            | 372ms      |
| Rendering                    | 56ms       |
| Parse HTML & CSS             | 42ms       |
| Script Parsing & Compilation | 22ms       |

N/A **Reduce the impact of third-party code** TBT Total size was 2.01MB

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 |
|---|---------------|---------------------------|
| <b>YOUTUBE</b>  | 1.07MB        | 0ms                       |
| • <a href="https://www.youtube.com/s/player/e04b3b4c/player_ias.vflset/en_US/base.js">https://www.youtube.com/s/player/e04b3b4c/player_ias.vflset/en_US/base.js</a>   | 781KB         | 0ms                       |
| • <a href="https://www.youtube.com/s/player/e04b3b4c/www-embed-player.vflset/www-embed-player.js">https://www.youtube.com/s/player/e04b3b4c/www-embed-player.vflset/www-embed-player.js</a>   | 95.5KB        | 0ms                       |
| • Other resources   | 216KB         | 0ms                       |
| <b>TWITTER</b>  | 615KB         | 0ms                       |
| • <a href="https://platform.twitter.com/next/static/chunks/3.623849758c2a16a878a7.js">https://platform.twitter.com/next/static/chunks/3.623849758c2a16a878a7.js</a>   | 161KB         | 0ms                       |
| • <a href="https://platform.twitter.com/widgets/widget_iframe.2f70fb173b9000da126c79afe2098f02.html?origin=http%3A%2F%2Fmissiontherapeutics.com">https://platform.twitter.com/widgets/widget_iframe.2f70fb173b9000da126c79afe2098f02.html?origin=http%3A%2F%2Fmissiontherapeutics.com</a>   | 104KB         | 0ms                       |
| • <a href="https://platform.twitter.com/next/static/chunks/modules.20f98d7498a59035a762.js">https://platform.twitter.com/next/static/chunks/modules.20f98d7498a59035a762.js</a>   | 94.2KB        | 0ms                       |
| • <a href="https://platform.twitter.com/next/static/chunks/0.9098e7e4385bbbc1cefe.js">https://platform.twitter.com/next/static/chunks/0.9098e7e4385bbbc1cefe.js</a>   | 76.7KB        | 0ms                       |
| • <a href="https://platform.twitter.com/next/static/chunks/4.1579d566fe7ef23f99dd.js">https://platform.twitter.com/next/static/chunks/4.1579d566fe7ef23f99dd.js</a>   | 62.9KB        | 0ms                       |
| • Other resources   | 117KB         | 0ms                       |
| <b>ADOBE TYPEKIT</b>  | 167KB         | 0ms                       |
| • <a href="https://use.typekit.net/af/eaf692/000000000000000003b9adbd8/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n7&amp;v=3">https://use.typekit.net/af/eaf692/000000000000000003b9adbd8/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n7&amp;v=3</a> | 32.5KB        | 0ms                       |
| • <a href="https://use.typekit.net/af/c93bdc/000000000000000003b9adbda/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n3&amp;v=3">https://use.typekit.net/af/c93bdc/000000000000000003b9adbda/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n3&amp;v=3</a> | 31.7KB        | 0ms                       |
| • <a href="https://use.typekit.net/af/332c60/000000000000000003b9adbd0/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n4&amp;v=3">https://use.typekit.net/af/332c60/000000000000000003b9adbd0/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n4&amp;v=3</a> | 31.5KB        | 0ms                       |
| • <a href="https://use.typekit.net/af/bd2066/000000000000000003b9adbdb/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=i7&amp;v=3">https://use.typekit.net/af/bd2066/000000000000000003b9adbdb/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=i7&amp;v=3</a> | 22.2KB        | 0ms                       |
| • <a href="https://use.typekit.net/af/96c89c/000000000000000003b9adbd2/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=i3&amp;v=3">https://use.typekit.net/af/96c89c/000000000000000003b9adbd2/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=i3&amp;v=3</a> | 20.9KB        | 0ms                       |
| • Other resources   | 27.9KB        | 0ms                       |
| <b>OTHER GOOGLE APIS/SDKS</b>   | 101KB         | 0ms                       |
| • <a href="https://jnn-pa.googleapis.com/\$rpc/google.internal.waa.v1.Waa/Create">https://jnn-pa.googleapis.com/\$rpc/google.internal.waa.v1.Waa/Create</a>   | 80.9KB        | 0ms                       |
| • <a href="https://www.google.com/js/th/UPWL4C2tRDXgPeT8xH1-3RCXksCgXkSqUy_ViJ9cFek.js">https://www.google.com/js/th/UPWL4C2tRDXgPeT8xH1-3RCXksCgXkSqUy_ViJ9cFek.js</a>   | 20.1KB        | 0ms                       |
| <b>GOOGLE FONTS</b>   | 80.5KB        | 0ms                       |
| • <a href="https://fonts.gstatic.com/s/opensans/v40/memvYaGs126MiZpBA-UvWbX2vVnXBbObj2OVTS-muw.woff2">https://fonts.gstatic.com/s/opensans/v40/memvYaGs126MiZpBA-UvWbX2vVnXBbObj2OVTS-muw.woff2</a>   | 47.6KB        | 0ms                       |
| • <a href="https://fonts.gstatic.com/s/roboto/v18/KFOmCnqEu92Fr1Mu4mxK.woff2">https://fonts.gstatic.com/s/roboto/v18/KFOmCnqEu92Fr1Mu4mxK.woff2</a>   | 15.5KB        | 0ms                       |
| • <a href="https://fonts.gstatic.com/s/roboto/v18/KFOICnqEu92Fr1MmEU9fBBc4.woff2">https://fonts.gstatic.com/s/roboto/v18/KFOICnqEu92Fr1MmEU9fBBc4.woff2</a>   | 15.3KB        | 0ms                       |
| <b>GOOGLE CDN</b>   | 2.47KB        | 0ms                       |
| <b>GOOGLE/DOUBLECLICK ADS</b>   | 1.30KB        | 0ms                       |
| <b>WITHPAUL.CO.UK</b>   | 273B          | 0ms                       |
| <b>WITHCREATIVE.CO.UK</b>   | 0B            | 0ms                       |

N/A

### User Timing marks and measures

No user timings and/or marks found.