

# Myosin Diversity in the Marine Pennate Diatom *Phaeodactylum tricornutum* Heintzelman and Enriquez

Presented at the Phycological Society of America annual meeting in New Orleans in July, 2008

<b>Layout and Appearance</b>		
<b>Criteria</b>	<b>Positive</b>	<b>Negative</b>
<p><b>APPEARANCE:</b> Is the poster neatly constructed? Do the text and the figures stand out against the background? Are colors and fonts used consistently? Is the text large and legible from 3–6 feet away?</p> <p><b>SECTIONS:</b> Does each section begin with a descriptive heading? Is there sufficient space between sections? Do the sections naturally flow from top left to bottom right?</p> <p><b>BALANCE:</b> Is there a nice balance between text and figures? Is there too much text?</p> <p><b>PROOFREADING:</b> Is the text free of typos and grammatical errors?</p>	<p>Poster made with PowerPoint® looks professionally done.</p> <p>Text and figures stand out against the background.</p> <p>Font is large and legible.</p> <p>Non-traditional section headings are effective.</p> <p>Color coding of DNA sequence is consistent throughout all sections and is an effective way to orient the viewer.</p> <p>Good balance between text and figures.</p> <p>No apparent typos.</p>	
<b>Content</b>		
<b>Criteria</b>	<b>Positive</b>	<b>Negative</b>
<p><b>TITLE:</b> Does the title grab your attention?</p> <p><b>AUTHORS:</b> Are the authors' names, affiliations, and contact information provided?</p> <p><b>INTRODUCTION:</b> Were the objectives clearly stated? Do you understand why this study was done? Did you get enough background information to understand the system? Were any abbreviations defined for the general visitor? Were the hypotheses rational?</p> <p><b>METHODS:</b> Were the methods described clearly and concisely?</p> <p><b>RESULTS:</b> Were the graphs easy to understand? Were any graphics distracting?</p> <p><b>CONCLUSIONS:</b> Do the conclusions match the data? Are reasonable ideas put forth to explain the observed patterns? Is there a clear connection between the conclusions and the original objectives?</p>	<p><b>Title</b> is descriptive and it hints at the results.</p> <p><b>Authors and affiliations</b> are provided.</p> <p><b>Abstract</b> helps viewers determine whether they are interested in the work.</p> <p><b>Background</b> describes the molecular structure of a typical myosin. Individual regions are defined and represented with colored symbols.</p> <p><b>Cloning</b> section states the objective and summarizes the methods.</p> <p><b>Hypotheses</b> are rational. They are stated in the <b>Abstract</b>.</p> <p><b>Results</b> show that the diatom myosins fall into three groups, somewhat separate from the other classes of myosins.</p> <p>The myosins from two species are color-coded in the appropriate <b>figure</b>. The colors are defined in the caption.</p> <p>Rather than numbering the figures, the figures are placed near the text in which they are described.</p> <p><b>Significance</b> section presents the authors' conclusions. There is a clear connection between the original objectives and the results and conclusions.</p>	