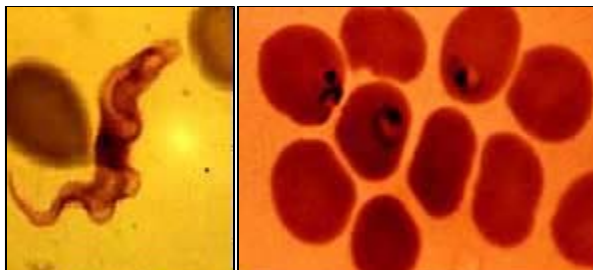


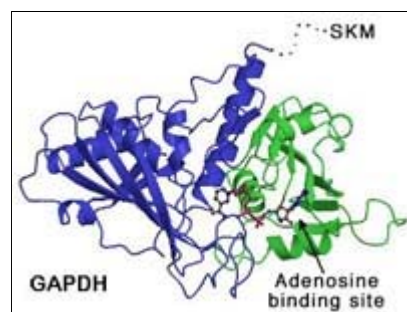


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Protein structure in pathogenic protozoa such as **Trypanosomatids** (l.) and **Plasmodium spp.** (r.), also known as malaria, will be studied by the SGPP Consortium. *Images courtesy of Wesley Van Voorhis.*



This slide depicts the protein structure of another pathogenic protozoa, **Leishmania mexicana GAPDH**. *Image courtesy of Wim Hol.*

Research funded on structural genomics of pathogenic protozoa (SGPP)

The National Institute of General Medical Sciences of the National Institutes of Health has awarded the UW a four-year grant totaling \$18.8 million for a Structural Genomics of Pathogenic Protozoa (SGPP) Consortium. The principal investigator is protein crystallographer [Wim G.J. Hol](#), professor of [biochemistry](#) and [biological structure](#).

The consortium will develop methods and technologies for determining protein structures in protozoan species that cause such tropical diseases as malaria, sleeping sickness, leishmaniasis and Chagas' disease. The resultant protein structures will also aid in cracking the protein-folding problem.

The grant is part of the National Institute of General Medical Sciences' [Protein Structure Initiative](#). This initiative has emphasized structural genomics, the determination of large numbers of protein structures by high-throughput experimental techniques. Structural genomics researchers hope to increase knowledge about protein function. Their work may also lead to the design of new therapeutics.

The award to SGPP involves the UW investigators [David Baker](#), [Erkang Fan](#), [Ethan Merritt](#), [Christophe Verlinde](#), [Michael Gelb](#), Fred Buckner, [Wes Van Voorhis](#) and [Stan Fields](#). In addition, the SGPP consortium includes Peter Myler and Ken Stuart from the [Seattle Biomedical Research Institute](#), George DeTitta from [Hauptman-Woodward Medical Research Institute](#) in Buffalo, New York, Thomas Earnest from [UC Berkeley](#), Peter Kuhn from [SSRL](#), Stanford, Eric Phizicky and Mark Dumont from [University of Rochester](#), NY.

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