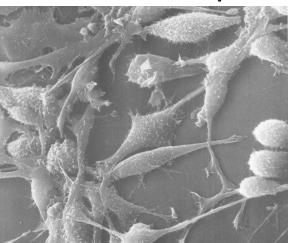
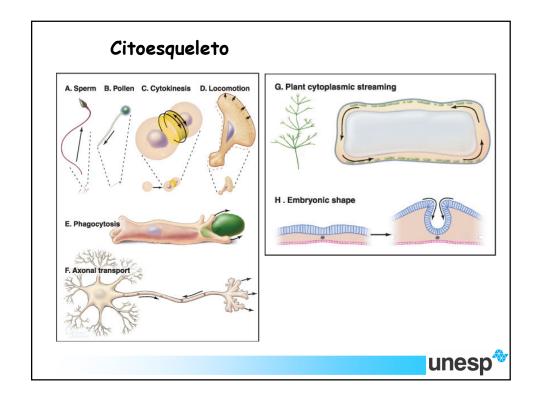


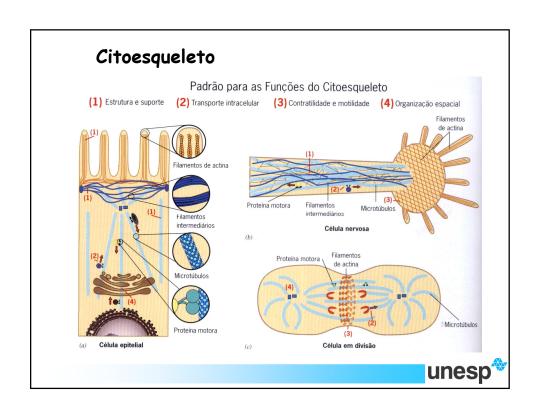
Citoesqueleto

- → Garante a estrutura da célula e de suas organelas;
 → Ajuda a organizar a atividade celular;
- → Governa os movimentos e a mudança de forma.

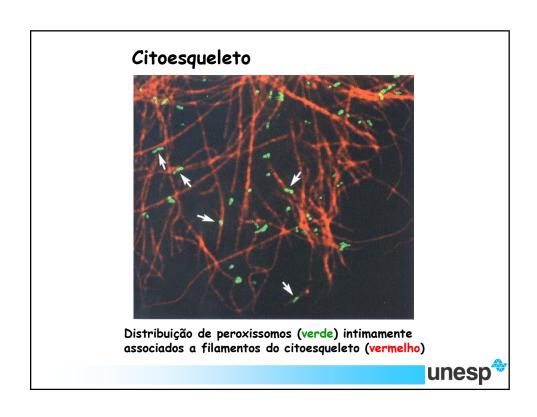


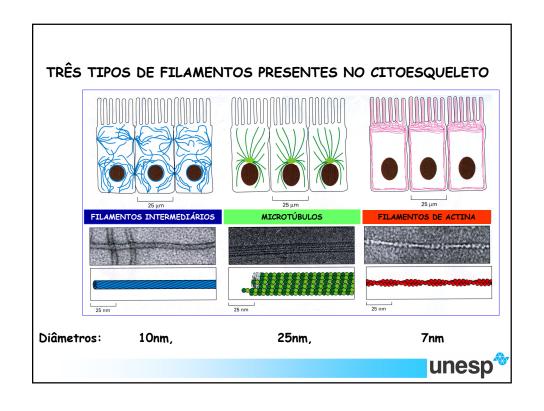


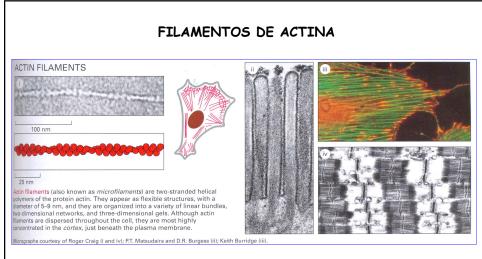






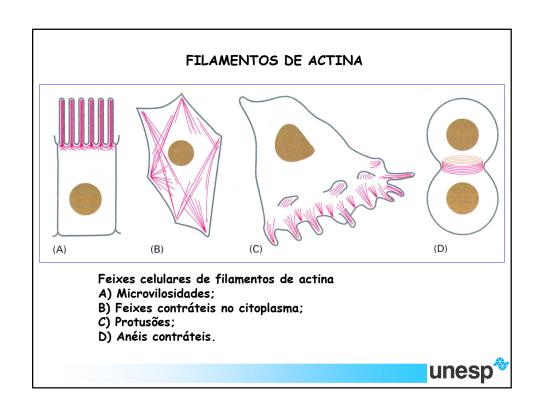




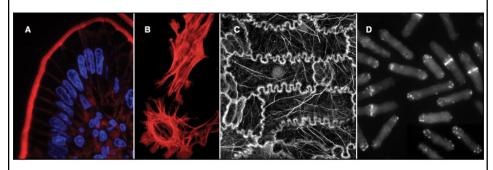


- → Também conhecidos por microfilamentos
- → Diâmetro de 7nm;
- → São essenciais para muitos dos movimentos celulares, especialmente aqueles envolvendo a superfície da célula. Presentes no córtex celular.









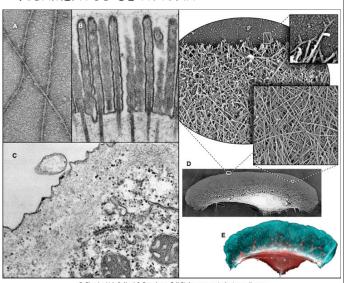
Feixes celulares de filamentos de actina

- A) Microvilosidades intestinais;
- B) Músculo liso em cultura;
- C) Epiderme de milho;
- D) Levedura de fissão.



FILAMENTOS DE ACTINA

- A: filamentos de actina isolados;
- B: microvilosidades com feixes de actinas
- C: Córtex celular de Acanthamoeba;
- D: Queratinócito de escama de peixe.



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Estrutura da actina

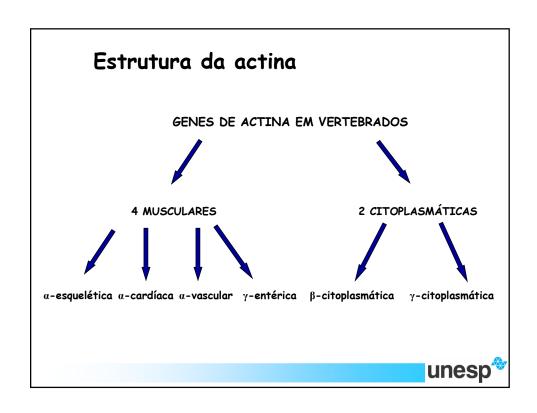
Actinas: 15% das proteínas totais das células

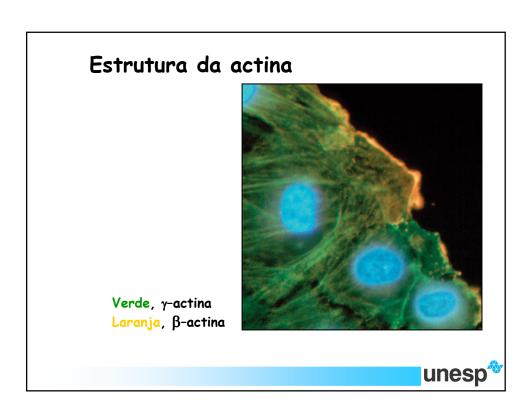
50% das actinas na forma de filamentos

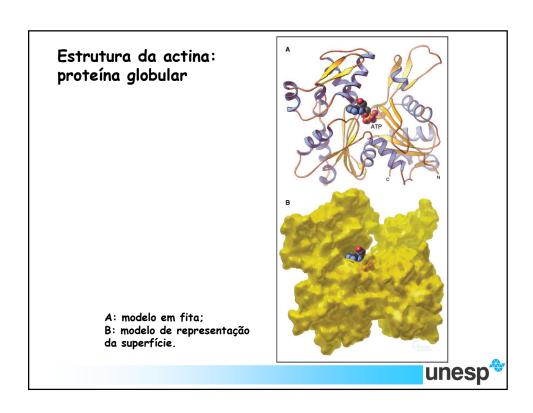
50% das actinas na forma de monômeros

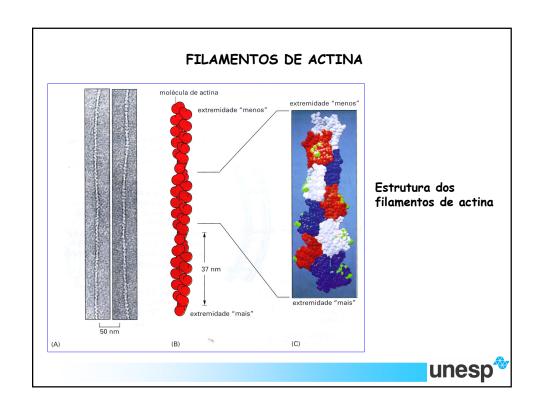


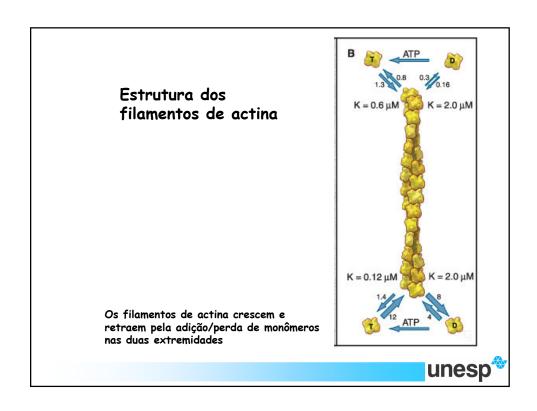


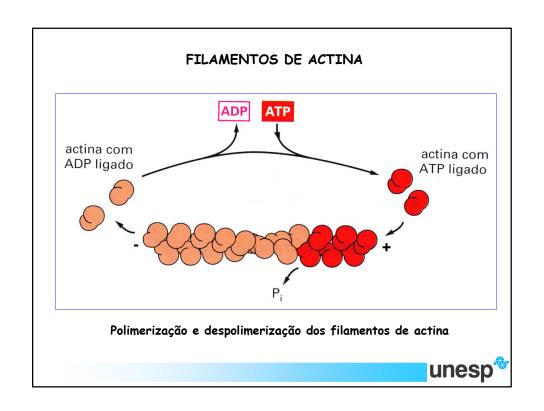


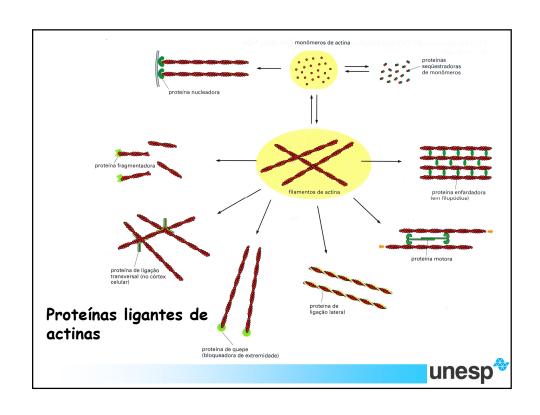


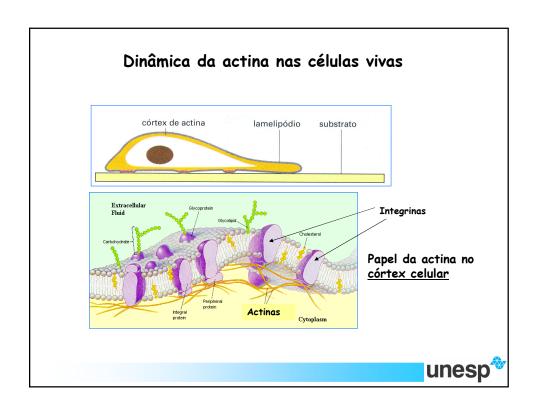


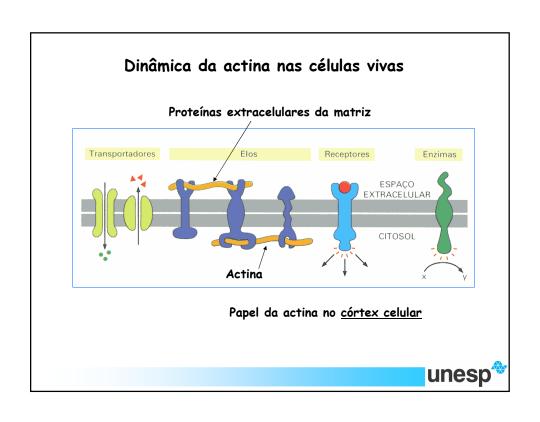


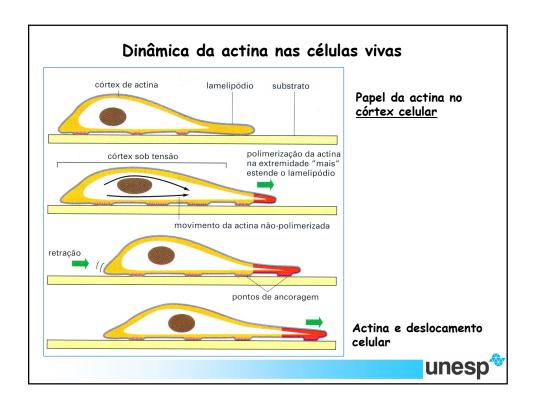


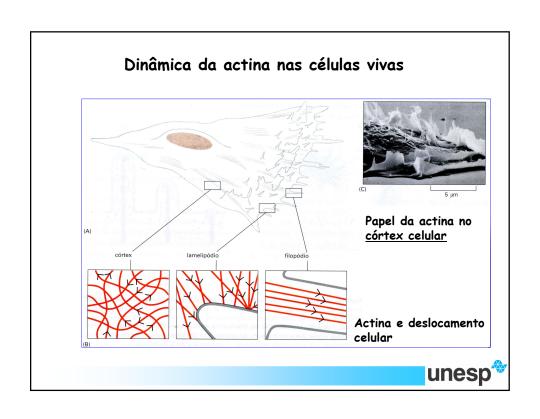


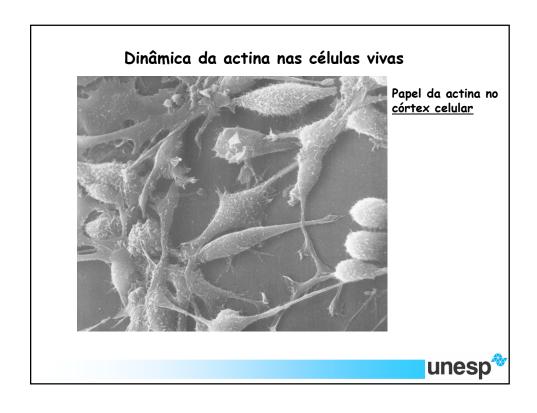


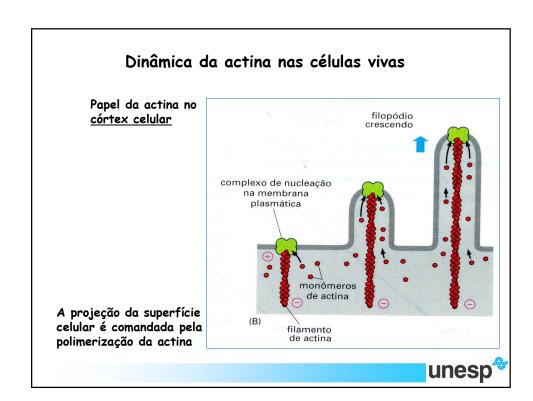


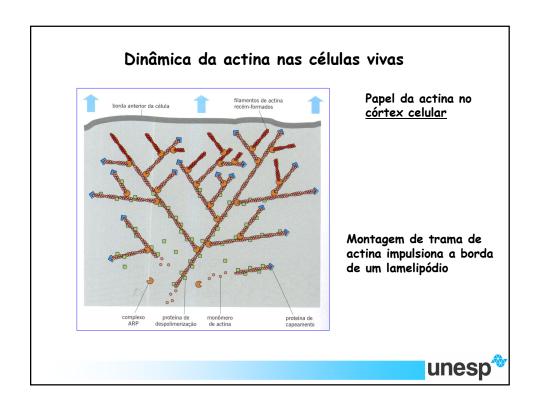


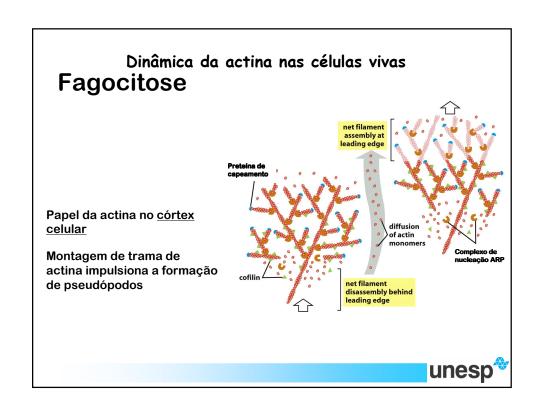


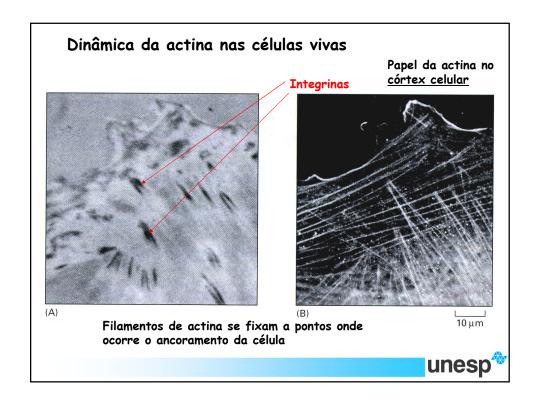


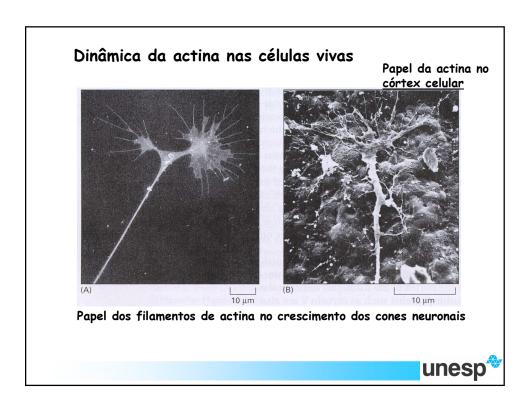


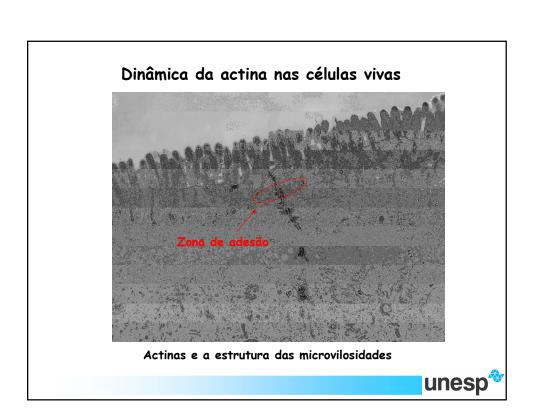


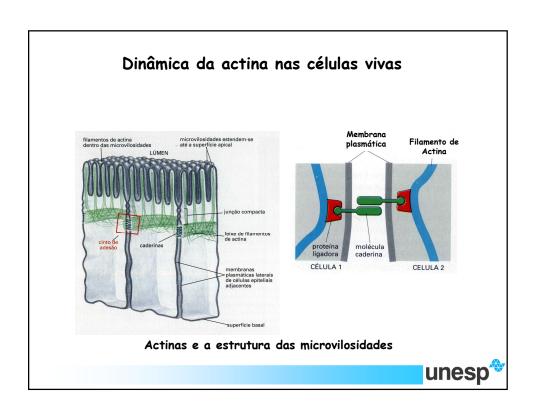


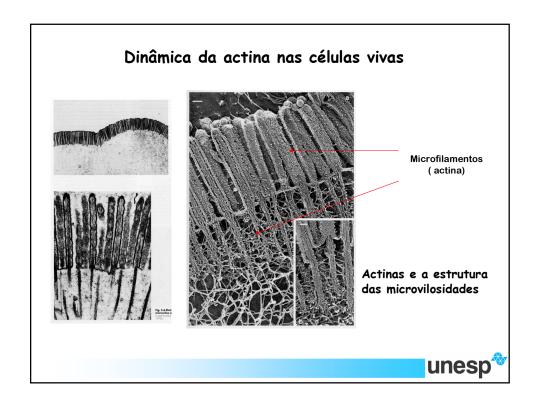


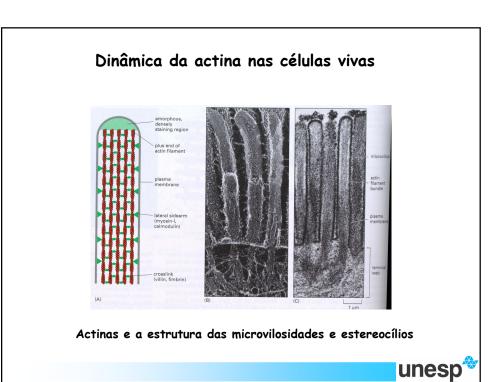


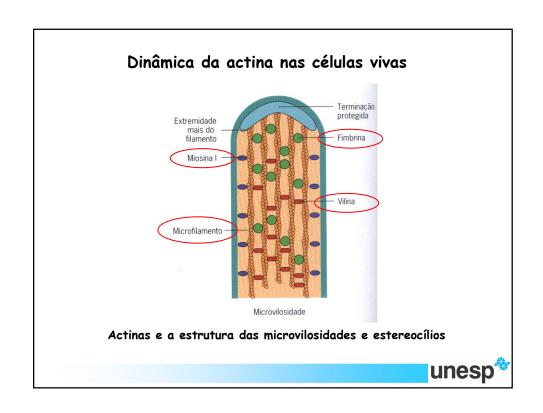


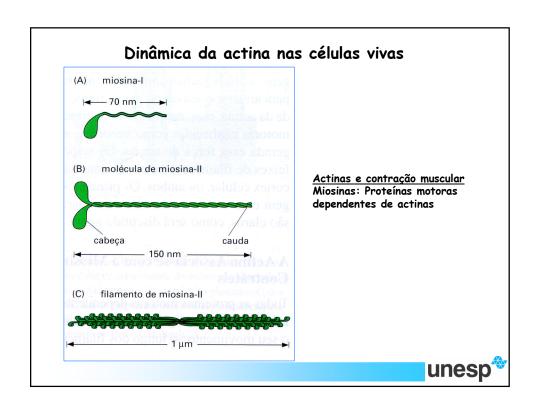


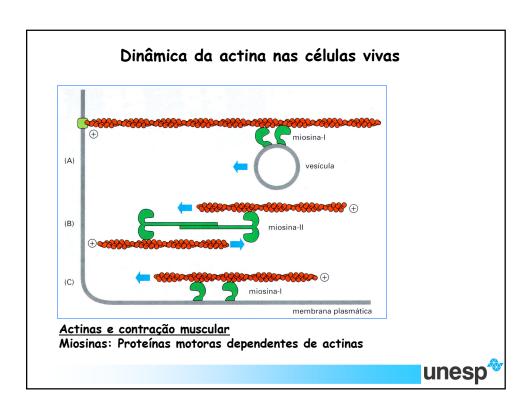




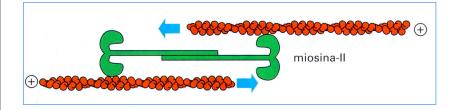






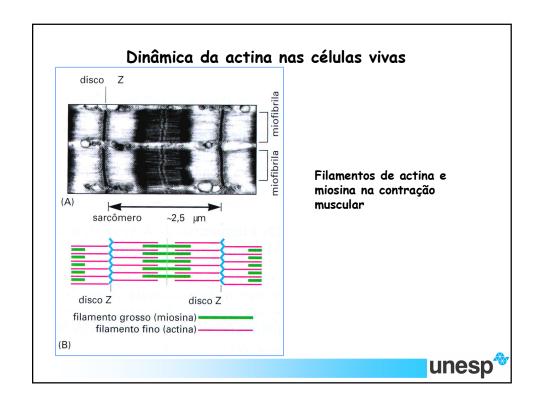


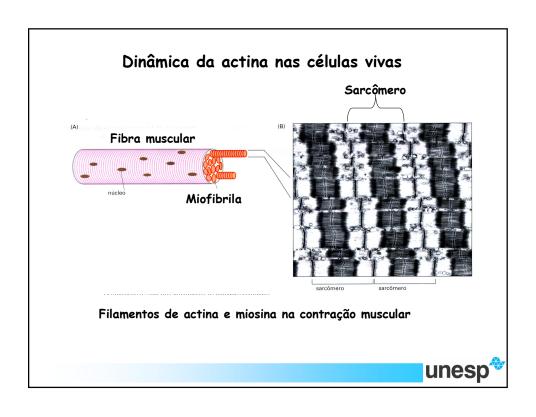
Dinâmica da actina nas células vivas

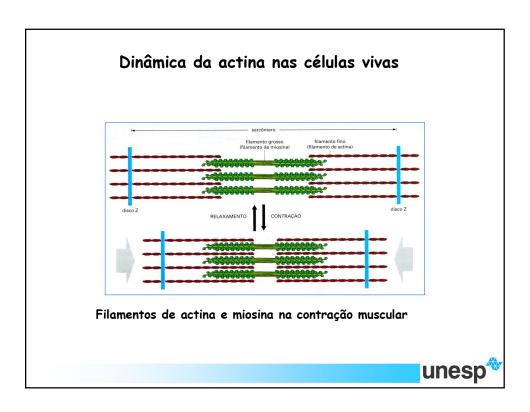


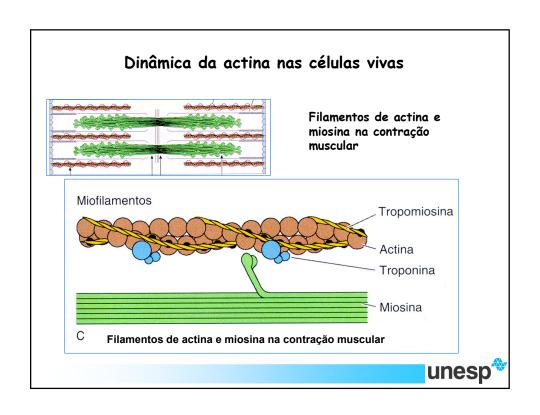
Movimento das cabeças das miosinas em direção à extremidade + dos filamentos de actina provoca o encurtamento do feixe de filamentos

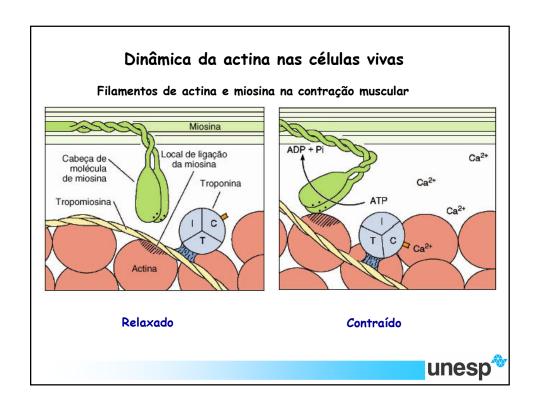


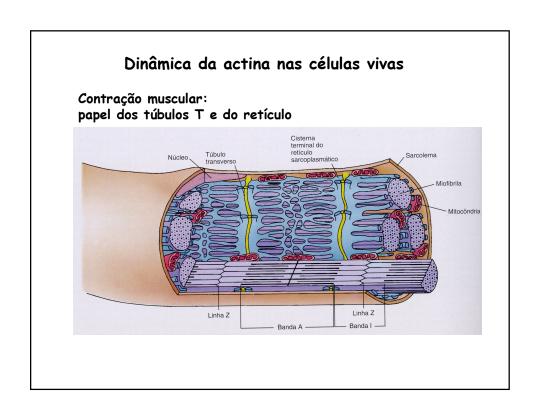


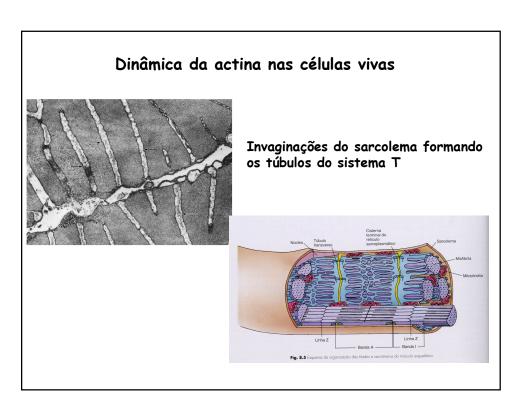


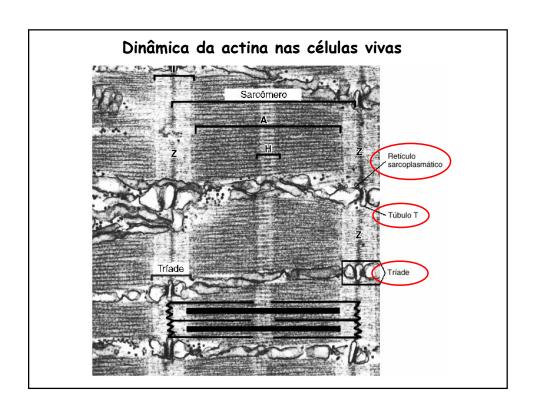


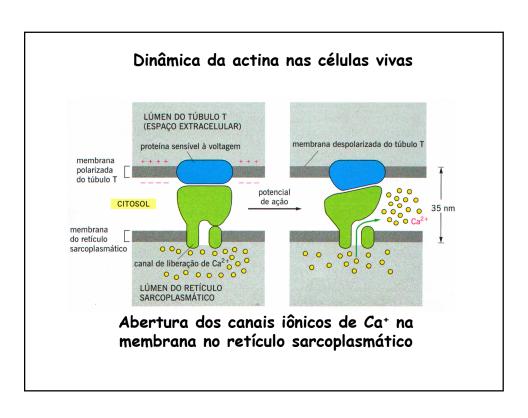


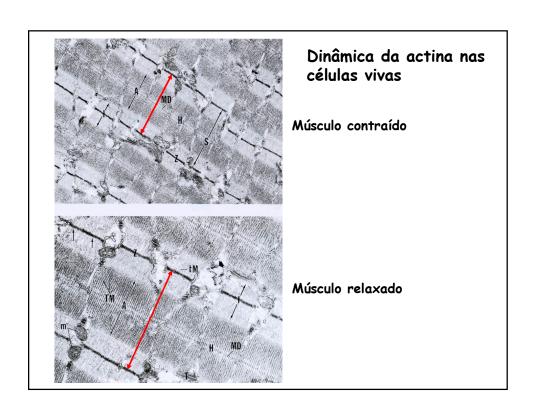


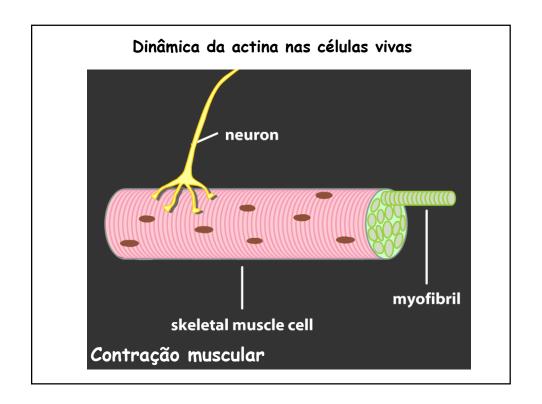


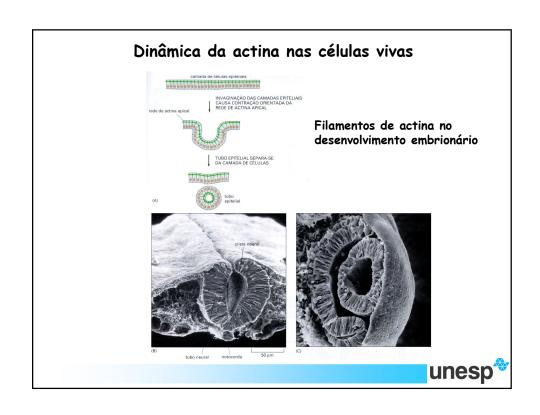


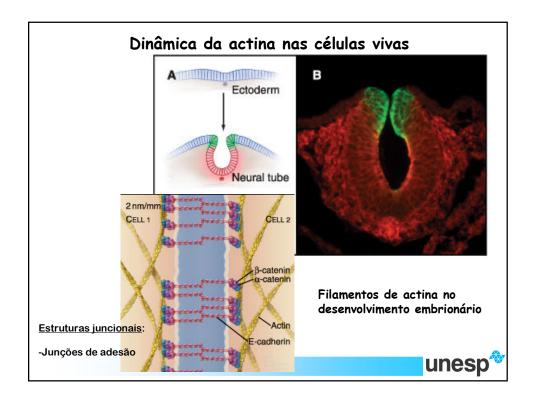












Dinâmica da actina nas células vivas Filamentos de actina no desenvolvimento embrionário unesp