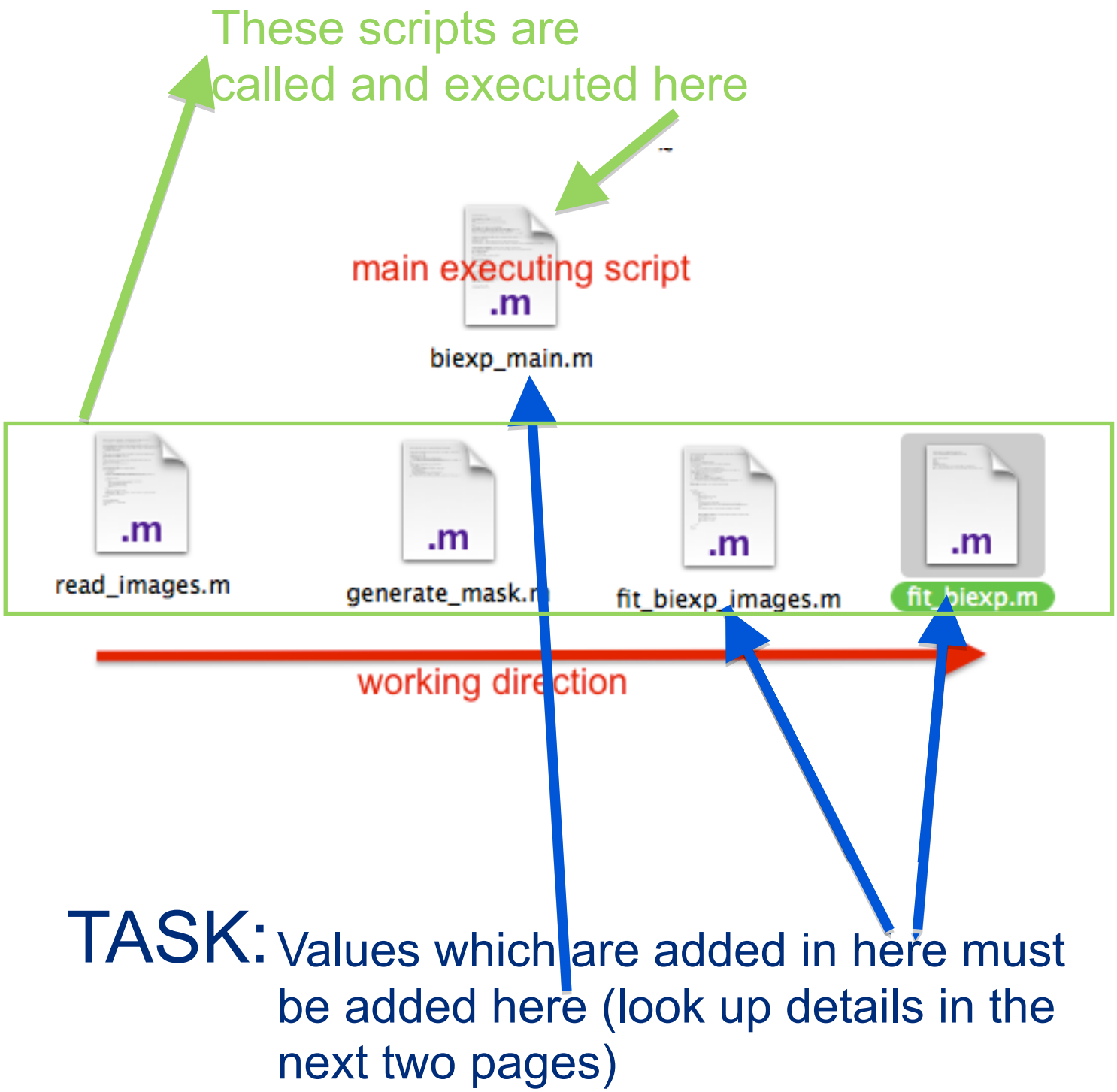

TASK: Values which are added in here must be added here (look up details in the next two pages)

```
            %[i j]
            % Perform fitting to image data.
            Y = squeeze(img_vol(j,i,:))'; % Time activity curve, or decay data
            %time_stamps=[5 10 15 20 30];%time_stamps=5:10:15:20:30;%:
40:50:60:70:80:90
            %TR=1;




[pa,fval,exfl]=fminsearch(@(x)fit_biexp(x,TR,Y,time_stamps),startingvals,opts);
            %if img_fitted(:,:,3)<10
            %   img_fitted(:,:,3) = 2;
            %end
            for k=1:length(startingvals)
            img_fitted(j,i,k) = pa(k);
            end

        end
    end
end

close(h)
```

This values should be in the biexp_main.m

Name	fit_biexp_images.m
Kind	MATLAB Code
Size	2 KB
Created	Sonntag, 29. Juni 2014 22:39
Modified	Mittwoch, 24. September 2014 13:19
Last opened	Mittwoch, 24. September 2014 13:19

```
function diff = fit_biexp(x,TR,Y,time_stamps)
% This function is called by lsqnonlin.
% MZ = A + B.*exp(-TR./T1)./(1+cos(FA).*exp(-TR./T1)


%start unknown variable
A=x(1);
B=x(2);
T1=x(3);
%end unkown variable
%size(Y)
%size( ((A+B.*exp(-TR./T1))./(1+cos(time_stamps).* exp(-TR./T1))) )
diff = sum((((A+B.*exp(-TR./T1))./(1+cos(time_stamps).* exp(-TR./T1)))-Y).^2);
end
```

This values should be entered in the

Name	fit_biexp.m
Kind	MATLAB Code
Size	383 bytes
Created	Sonntag, 29. Juni 2014 22:41
Modified	Mittwoch, 27. August 2014 14:40
Last opened	Mittwoch, 27. August 2014 14:40